IsiXhosa

IMathematika

Mathematics

3

Ikota 3 | Term 3

Umfundi | Learner: .....

Bala Wande
Calculating with Confidence

3

Ikota 3 | Term 3

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.

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www.fundawande.org
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ISIQULATHO : CONTENTS

Ukusebenzisa incwadi yemisebenzi yabafundi yeBala Wande

Le ncwadi yemisebenzi yabafundi inemisebenzi elungiselelwe iintsuku ezingama-50 zokufundisa kwikota yesi-3. 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.

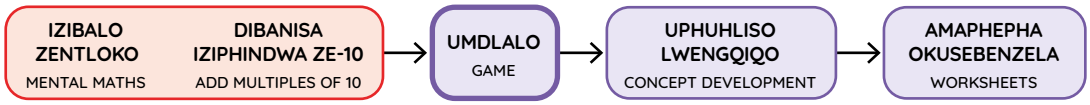
Ukuqala kosuku ngalunye olutsha kuboniswe ngebhanile emfusa.

IVEKI • WEEK 1

USUKU 1 • DAY 1

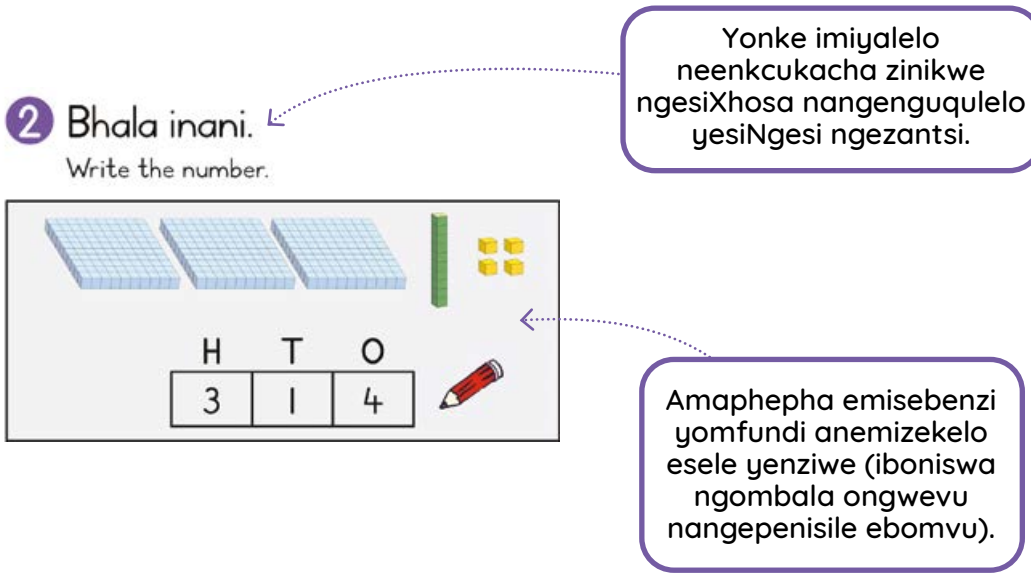
Ukudibanisa usebenzisa iibloko zesiseko seshumi
Addition using base ten blocks

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.

Using the Bala Wande Learner Activity Book

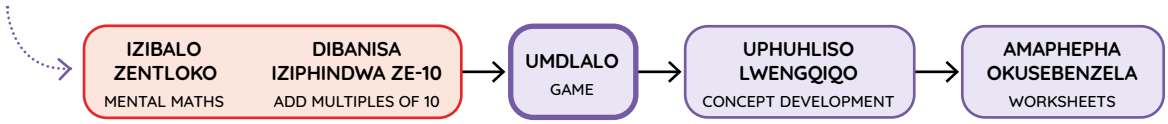
This *Learner Activity Book* has activities planned for 50 days of teaching in Term 3. There are concept development activities, individual learner activities and games for learners to play in pairs and groups. Answers to the activities can be written in this book.

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.

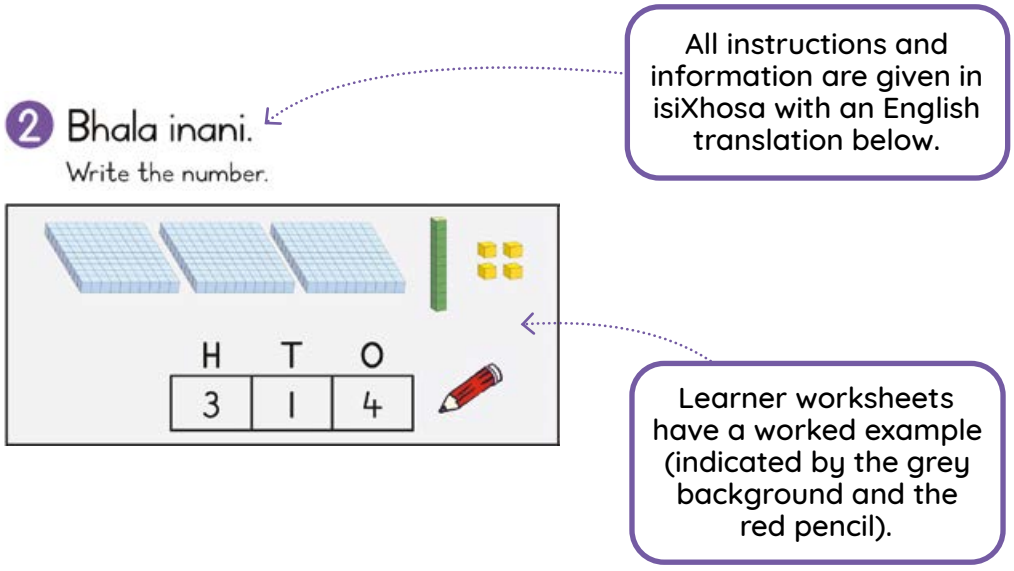
The start of each new day is shown with a purple banner.

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.

Ulwahlulo
Division

IZIBALO ZENTLOKO
MENTAL MATHS

YAKHA AMA-20 NGAMAKHADI AMACHOKOZA
MAKE 20 USING DOT CARDS

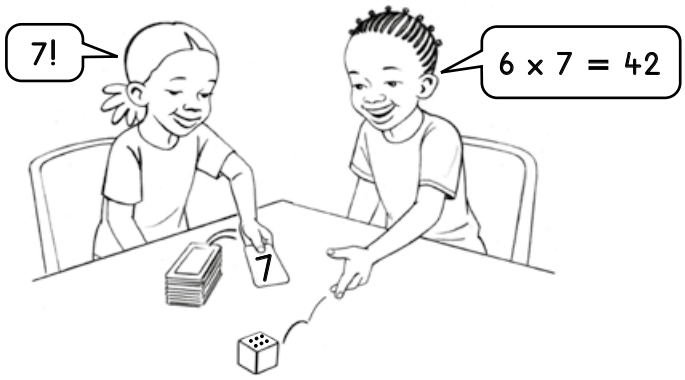
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

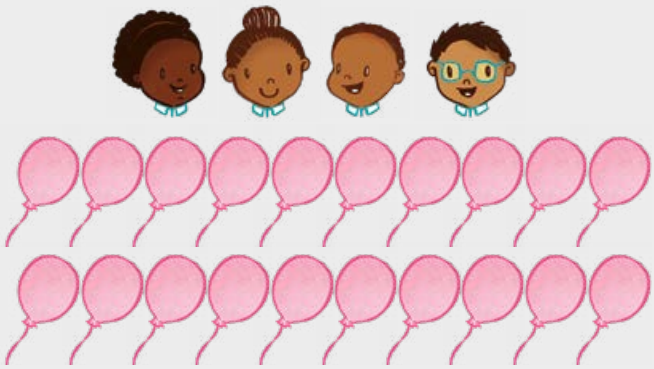
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

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

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



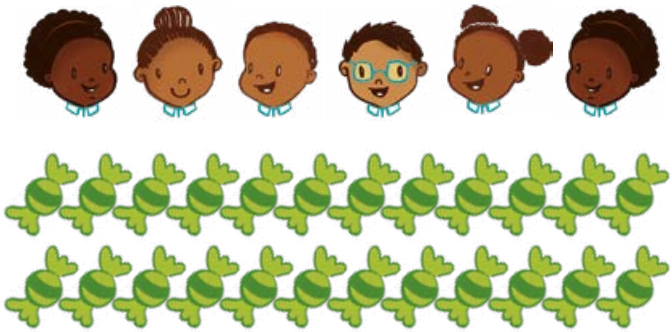
1 Yabela abahlobo ngokulinganayo. Uza kufumana ezingaphi umhlobo ngamnye?
Share equally between the friends. How many will each friend get?



20 ÷ 4 = 5

25 ÷ 5 = ____

30 ÷ 3 = ____



24 ÷ 6 = ____

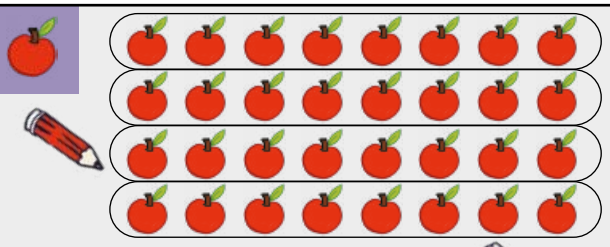
2 Yabela aba bantwana iintyatyambo ngokulinganayo.

Share the flowers equally.

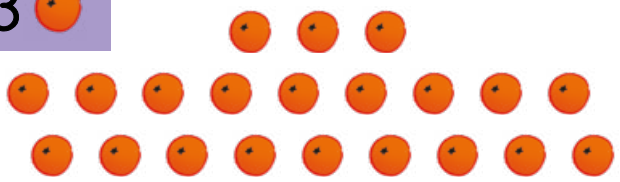
2  ____ ÷ 2 = ____	3  ____ ÷ 3 = ____
9  ____ ÷ 9 = ____	6  ____ ÷ 6 = ____

3 Beka ngokwamaqela alinganayo. Mangaphi amaqela aza kubakho?

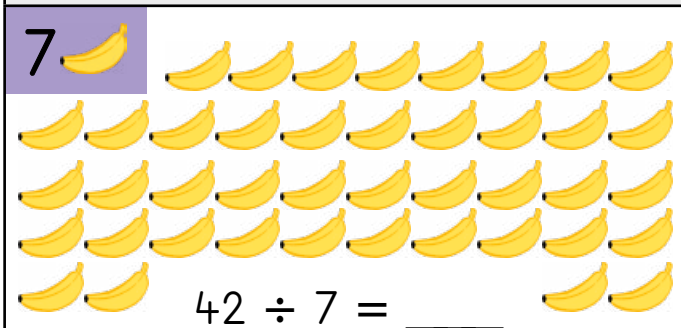
Put into equal groups. How many groups will there be?

8 

32 ÷ 8 = 4

3 

21 ÷ 3 = ____

7 

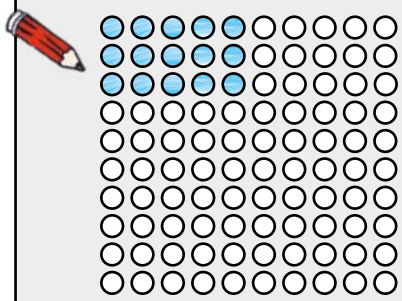
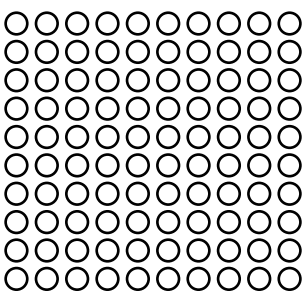
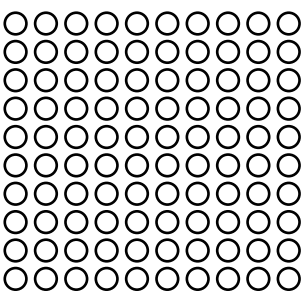
42 ÷ 7 = ____

5 

30 ÷ 5 = ____

4 Fakela umbala.

Colour.

I-15 lahlulwa libe ngamaqela ama-3 ezi-5. 15 divided into 3 groups of 5.	Ama-80 ahlulwa abe ngamaqela asi-8 ama-10. 80 divided into 8 groups of 10.	i-18 lahlulwa libe ngamaqela ama-2 e-9. 18 divided into 2 groups of 9.
		
15 ÷ 3 = 5	____ ÷ ____ = ____	____ ÷ ____ = ____

Ulwahlulo (ulwabiwo)
Division (sharing)

IZIBALO ZENTLOKO (MENTAL MATHS) YAKHA AMA-20 NGAMAKHADI AMACHOKOZA (MAKE 20 USING DOT CARDS) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

1 Sombulula ezi ngxaki. Bhala isivakalisi manani solwahlulo.
Solve the problems. Write division number sentences.

Yabela aba-5 ii- ezingama-35 ngokulinganayo.

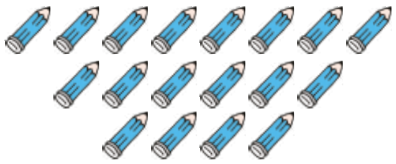
Share 35 equally among 5.

35 ÷ 5 = 7

7

Yabela aba-3 ii- ezili-18 ngokulinganayo.

Share 18 equally among 3.



____ ÷ ____ = ____

____

Yabela aba-6 ii- ezingama-24 ngokulinganayo.

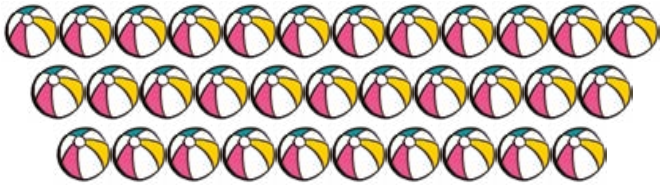
Share 24 equally among 6.

____ ÷ ____ = ____

____

Yabela aba-3 ii- ezingama-33 ngokulinganayo.

Share 33 equally among 3.



____ ÷ ____ = ____

____

2 Yabela aba bantwana ezi lekese ngokulinganayo.
Share the sweets equally.

2 ____ ÷ 2 = ____

3 ____ ÷ 3 = ____

4 ____ ÷4 = ____

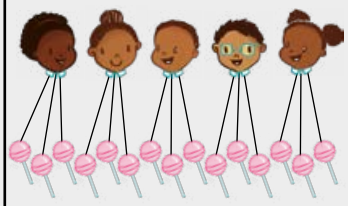
6 ____ ÷ 6 = ____

3 Sombulula ezi ngxaki. Bhala izivakalisi manani.

Solve the problems. Write number sentences.

Ukhumbule ukusebenzisa uphindaphindo ukuze wahlule.

Remember to use multiplication to divide.

Yaba ngokulinganayo. Share equally.	Zoba umfanekiso uze ubhale isiphumo. Draw a diagram and write the answer.	uphindaphindo multiplication	ulwahlulo division
Izitoki ezili-15 phakathi kwahlobo aba-5. 15 lollipops among 5 friends.	 oololipop aba-3 emnye 3 lollipops each	5 x 3 = 15	15 ÷ 5 = 3
Yabela abahlobo aba-4 iibhisikithi ezingama-32. 32 biscuits among 4 friends.		___ x ___ = ___	___ ÷ ___ = ___
Yabela abahlobo abasi-9 iipenisile ezingama-27. 27 pencils among 9 friends.		___ x ___ = ___	___ ÷ ___ = ___

4 Gqibezela ezi zivakalisi manani.

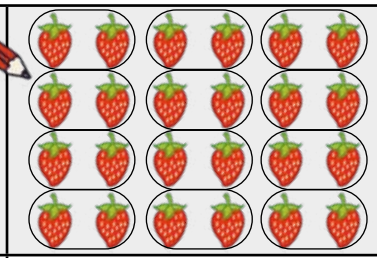
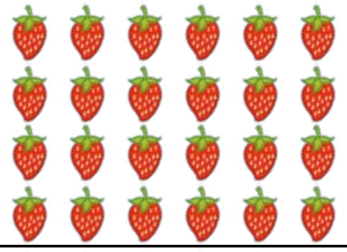
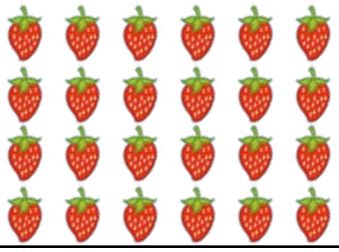
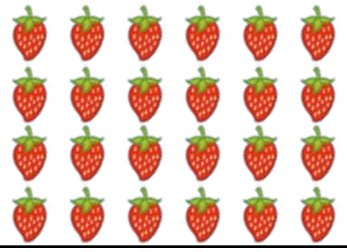
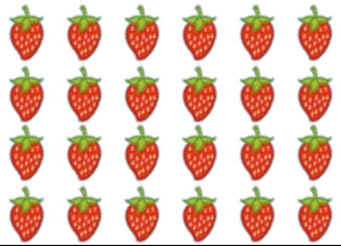
Complete the number sentences.

6 x 3 = 18	18 ÷ 6 = 3
4 x ____ = 24	____ ÷ ____ = ____
____ x 3 = 30	____ ÷ ____ = ____
5 x ____ = 40	____ ÷ ____ = ____
____ x 7 = 14	____ ÷ ____ = ____

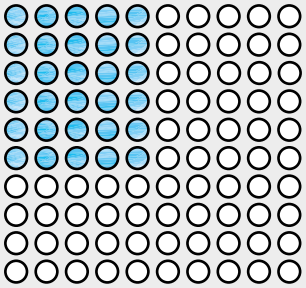
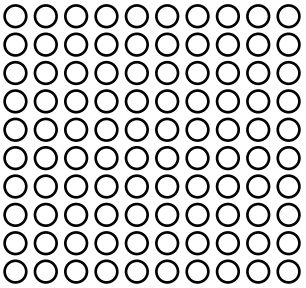
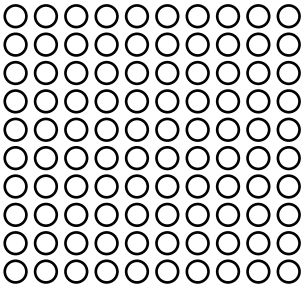
Ulwahlulo (ukuhlela)
Division (grouping)

IZIBALO ZENTLOKO – MENTAL MATHS → YAKHA AMA-20 NGAMAKHADI AMACHOKOZA – MAKE 20 USING DOT CARDS → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

1 Beka ngokwamaqela alinganayo. Mangaphi amaqela aza kubakho?
Put into equal groups. How many groups will there be?

2 amaqela ali-12 12 groups		3 amaqela a_____ _____ groups	
4 amaqela asi-_____ _____ groups		6 amaqela ama-_____ _____ groups	
8 amaqela ama-_____ _____ groups		12 amaqela ama-_____ _____ groups	

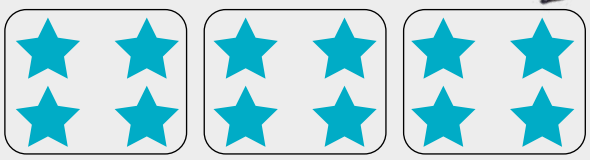
2 Fakela umbala uze ubhale isivakalisi manani.
Colour and write number sentences.

Yahlula ama-30 abe ngamaqela ama-6 ezi-5. 30 divided into 6 groups of 5.	Yahlula ama-36 abe ngamaqela asi-9 ezi-4. 36 divided into 9 groups of 4.	Yahlula i-16 libe ngamaqela asi-8 ezi-2. 16 divided into 8 groups of 2.
		
5 × 6 = 30	____ × ____ = ____	____ × ____ = ____
30 ÷ 6 = 5	____ ÷ ____ = ____	____ ÷ ____ = ____

3 Mangaphi amaqela?

How many groups?

2



12 ÷ 4 = 3

Ngamaqela ama-3 ezi-4.

3 groups of 4.

5

____ ÷ ____ = ____

Ngamaqela ama-____ ezi-5.

____ groups of 5.

Bhala isivakalisi manani sokwahlula uze uzobe imifanekiso ukuze usombulule iingxaki.

Write the division number sentence and draw pictures to solve the problems.

7

____ ÷ ____ = ____

Ngamaqela ama-____ ezi-7.

____ groups of 7.

8

____ ÷ ____ = ____

Ngamaqela ama-____ ezi-8.

____ groups of 8.

4 Gqibezela izivakalisi manani.

Complete the number sentences.

5 x 7 = 35	35 ÷ 7 = 5
2 x ____ = 22	____ ÷ ____ = ____
____ x 9 = 63	____ ÷ ____ = ____
12 x ____ = 60	____ ÷ ____ = ____
____ x 4 = 16	____ ÷ ____ = ____
10 x ____ = 70	____ ÷ ____ = ____

Ulwahlulo (ulwabiwo nohlelo)
Division (sharing and grouping)

IZIBALO ZENTLOKO – MENTAL MATHS → YAKHA AMA-20 NGAMAKHADI AMACHOKOZA – MAKE 20 USING DOT CARDS → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

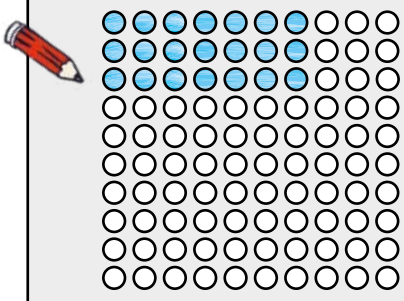
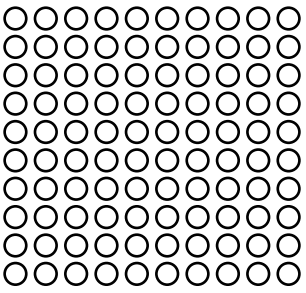
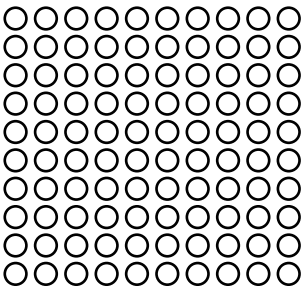
1 Yahlula iibhola ngokulinganayo.

Share the balls equally.

2  ____ ÷ 2 = ____	3  ____ ÷ 3 = ____
5  ____ ÷5 = ____	6  ____ ÷ 6 = ____
10  ____ ÷10 = ____	15  ____ ÷15 = ____

2 Fakela umbala uze ubhale isivakalisi manani.

Colour and write number sentences.

Yahlula ama-21 abe ngamaqela ama-3 ezi-7. 21 divided into 3 groups of 7.	Yahlula ama-32 abe ngamaqela asi-8 ezi-4. 32 divided into 8 groups of 4.	Yahlula ama-42 abe ngamaqela ama-6 ezi-7. 42 divided into 6 groups of 7.
		
7 × 3 = 21	____ × ____ = ____	____ × ____ = ____
21 ÷ 3 = 7	____ ÷ ____ = ____	____ ÷ ____ = ____

3

Yabela  aba-2 ii-  ezili-18.

Share 18  equally between 2 .

____ ÷ ____ = ____

____ 

Yabela  aba-4 ii-  ezingama-20.

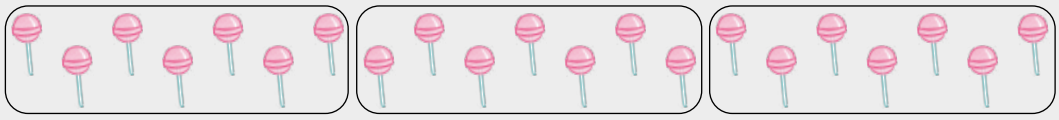
Share 20  equally between 4  .

____ ÷ ____ = ____

____ 

4 Yabela aba-3 ii- ezingama-21.

Share 21 equally between 3 .

Zoba. Draw. 	
isivakalisi manani sophindaphindo multiplication number sentence $7 \times 3 = 21$	isivakalisi manani sokwahlula division number sentence $21 \div 3 = 7$
Isiphumo. Answer.	oololipop aba-7 emnye 7 lollipops each

Kukho ii ezi-4 ebhokisini. Kufuneka ube neebhokisi ezingaphi kwii- ezingama-40?

There are 4 in a box. How many boxes will you need for 40 ?

Zoba. Draw.	
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence
Isiphumo. Answer.	

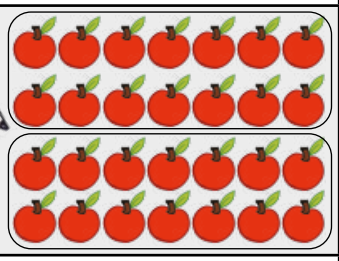
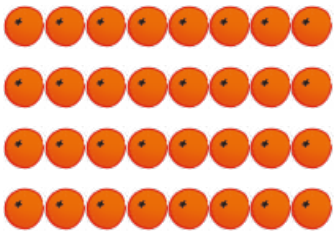
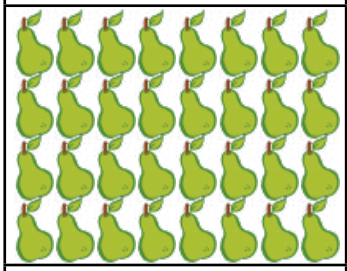
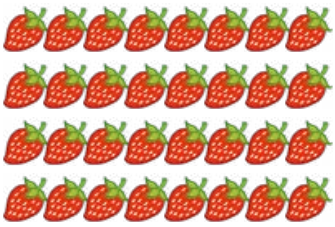
5

$24 \div 3 =$ ☐	☐ $\times$ 3 = 24	☐ = 8
$45 \div 5 =$ ☐	☐ $\times$ ____ = ____	☐ =
$28 \div 4 =$ ☐	☐ $\times$ ____ = ____	☐ =
$48 \div 6 =$ ☐	☐ $\times$ ____ = ____	☐ =
$32 \div 8 =$ ☐	☐ $\times$ ____ = ____	☐ =

Uqukaniso
Consolidation

IPHEPHA LOKUSEBENZELA
WORKSHEET → IPHEPHA LOKUSEBENZELA
WORKSHEET

1

	yahlulela ngokulinganayo share equally between	amaqela groups of	
	2 	14 2	28 ÷ 2 = 14
	4 	7 ____	____ ÷ ____ = ____
	7 	4 ____	____ ÷ ____ = ____
	14 	2 ____	____ ÷ ____ = ____

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
Yabela abahlobo aba-3.	Share between 3 friends.
amaqela ezi-4	groups of 4
amaqela ama-5 e-10	5 groups of 10
iitheyibhile zophindaphindo	multiplication tables
izivakalisi manan	number sentences
ulwahlulo	division

2 Yabela ngokulinganayo  abasi-8 ii- ezingama-48.

Share 48 equally between 8  .

Zoba. Draw.	
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence
Isiphumo. Answer.	

Kukho ama-5 engxoweni. Zingaphi iingxowa ezifunekayo kuma angama-35?

There are 5 in a bag. How many bags will you need for 35 ?

Zoba. Draw.	
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence
Isiphumo. Answer.	

3

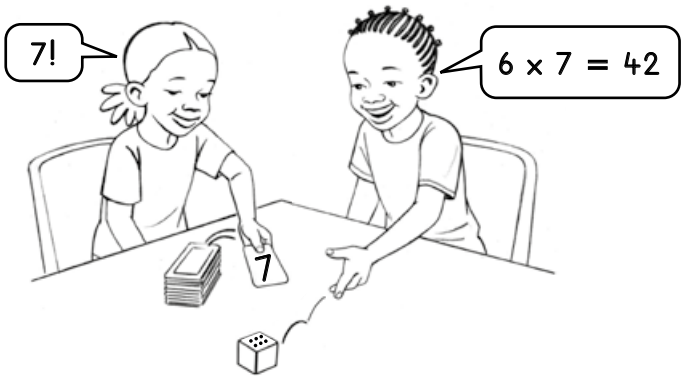
55 ÷ 5 = ☐	☐ x 5 = 55	☐ = 11
27 ÷ 3 = ☐	☐ x ____ = ____	☐ =
36 ÷ 6 = ☐	☐ x ____ = ____	☐ =
72 ÷ 9 = ☐	☐ x ____ = ____	☐ =
42 ÷ 7 = ☐	☐ x ____ = ____	☐ =

Ukuziqhelisa ukwahlula
Practising division

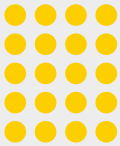
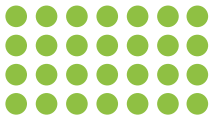
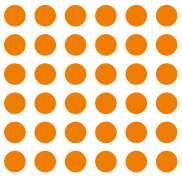
IZIBALO ZENTLOKO
MENTAL MATHS
DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

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

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

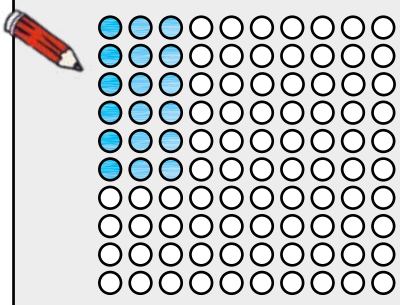
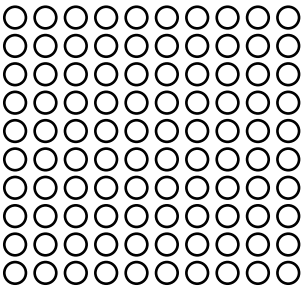
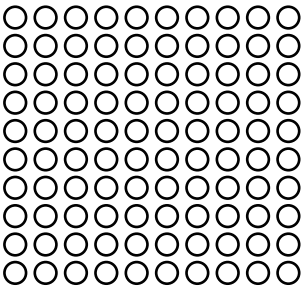


1 Gqibezela itheyibhile. Bhala izivakalisi manani.
Complete the table. Write the number sentences.

	imiqolo rows	iikholamu columns	uphindaphindo multiplication	ulwahlulo division
	5	4	5 × 4 = 20	20 ÷ 5 = 4
				
				
				
				

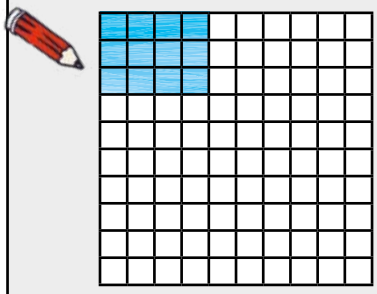
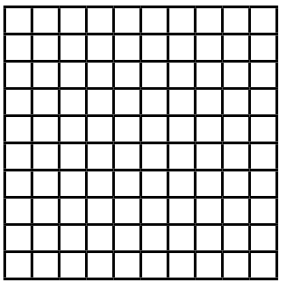
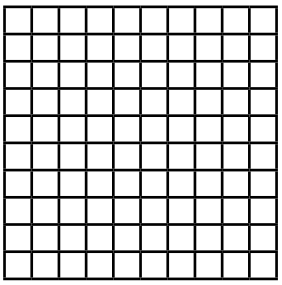
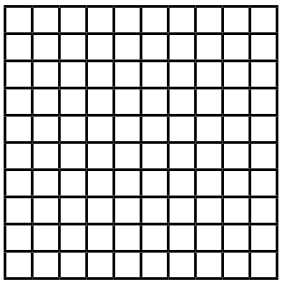
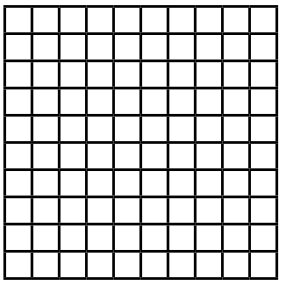
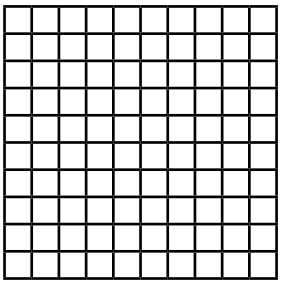
2 Fakela umbala kwimiqolo nakwiikholamu kucwangcisomanani ngalunye. Bhala izivakalisi manani.

Colour rows and columns in each array. Write the number sentences.

imiqolo emi-6 neekholamu ezi-3 6 rows and 3 columns	imiqolo emi-5 neekholamu ezisi-8 5 rows and 8 columns	imiqolo esi-7 neekholamu ezi-2 7 rows and 2 columns
		
6 x 3 = 18	____ x ____ = ____	____ x ____ = ____
18 ÷ 6 = 3	____ ÷ ____ = ____	____ ÷ ____ = ____

3 Fakela umbala kwimiqolo nakwiikholamu kucwangcisomanani ngalunye. Bhala izivakalisi manani.

Colour rows and columns in each array. Write the number sentences.

3 x 4 = 12	4 x 8 = ____	5 x 6 = ____
		
12 ÷ 3 = 4	____ ÷ ____ = ____	____ ÷ ____ = ____
7 x 9 = ____	10 x 6 = ____	8 x 2 = ____
		
____ ÷ ____ = ____	____ ÷ ____ = ____	____ ÷ ____ = ____

Ukuziqhelisa ukwahlula
Practising division

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

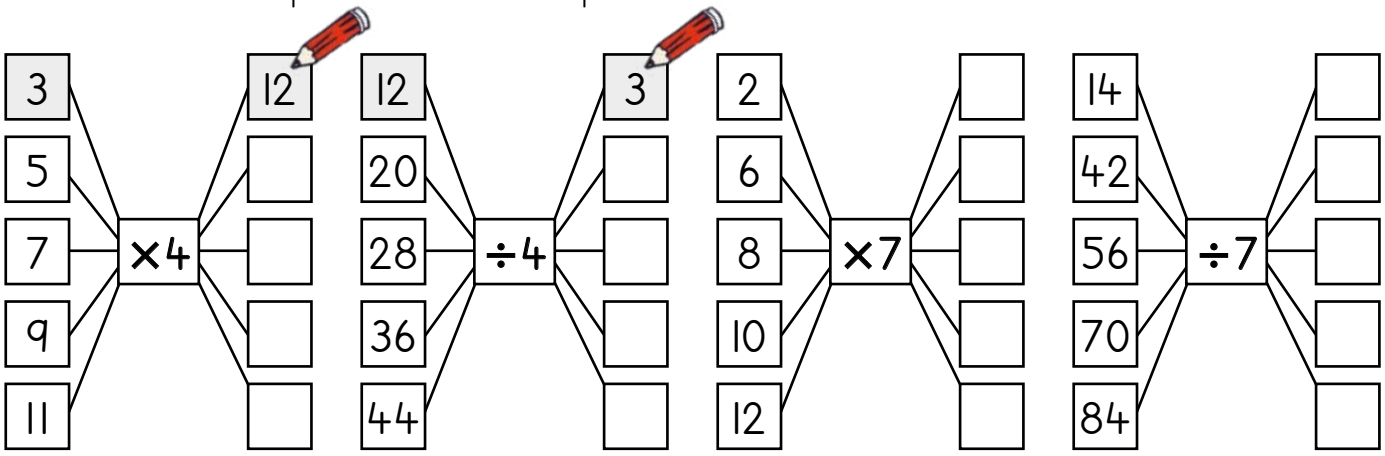
1 Yabela abahlobo abasi-7 iintyatyambo ezingama-35 ngokulinganayo.
Share 35 flowers equally between 7 friends.

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

Kukho amapetyu asi-9 ebhokisini. Kuza kufuneka iibhokisi ezingaphi kumapetyu angama-54?
There are 9 marbles in a box. How many boxes will you need for 54 marbles?

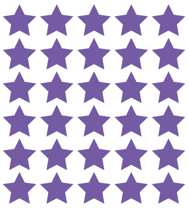
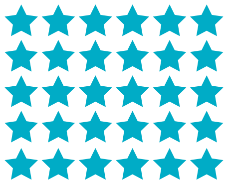
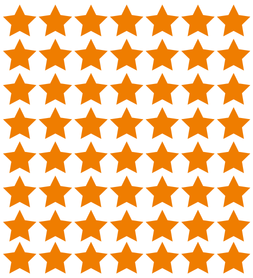
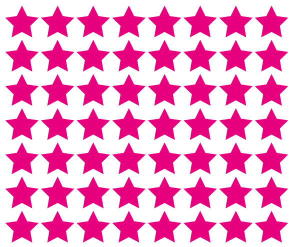
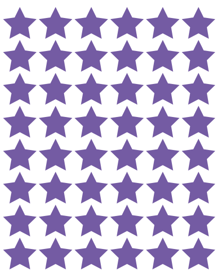
Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

2 Sombulula ezi ngxaki zophindaphindo nolwahlulo.
Solve the multiplication and division problems.



3 Bhala izivakalisi manani zophindaphindo nolwahlulo usebenzise ucwangcisomanani.

Use the array to write multiplication and division number sentences.

	5 × 3 = 15 15 ÷ 5 = 3		3 × 5 = 15 15 ÷ 3 = 5
	___ × ___ = ___ ___ ÷ ___ = ___		___ × ___ = ___ ___ ÷ ___ = ___
	___ × ___ = ___ ___ ÷ ___ = ___		___ × ___ = ___ ___ ÷ ___ = ___
	___ × ___ = ___ ___ ÷ ___ = ___		___ × ___ = ___ ___ ÷ ___ = ___
	___ × ___ = ___ ___ ÷ ___ = ___		___ × ___ = ___ ___ ÷ ___ = ___
	___ × ___ = ___ ___ ÷ ___ = ___		___ × ___ = ___ ___ ÷ ___ = ___
	___ × ___ = ___ ___ ÷ ___ = ___		___ × ___ = ___ ___ ÷ ___ = ___

Ulwahlulo luka-0
Division of 0

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 Kukho iintyatyambo ezingama-49 nabahlobo abasi-7.

There are 49 flowers and 7 friends.

Iintyatyambo ezingama-28 zibomvu. 28 flowers are red.	Iintyatyambo ezingama-21 zizuba. 21 flowers are blue.	Iintyatyambo ezi-0 zimthubi. 0 flowers are yellow.

Yabela abahlobo iintyatyambo ezi . Uza kufumana iintyatyambo ezingaphi umhlobo ngamnye?

Share the between the friends. How many flowers will each friend get?

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

Yabela abahlobo iintyatyambo ezi . Uza kufumana iintyatyambo ezingaphi umhlobo ngamnye?

Share the between the friends. How many flowers will each friend get?

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

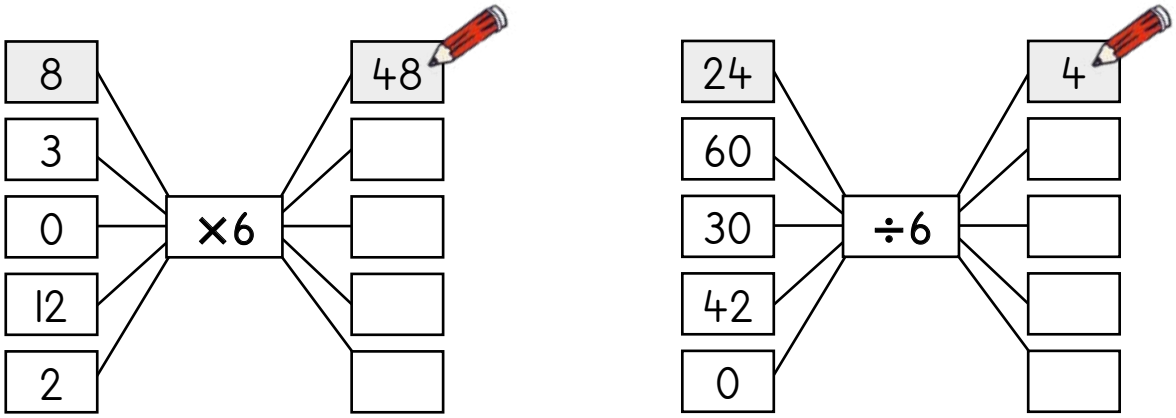
Yabela abahlobo iintyatyambo ezi . Uza kufumana iintyatyambo ezingaphi umhlobo ngamnye?

Share the between the friends. How many flowers will each friend get?

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

2 Sombulula iingxaki zophindaphindo nolwahlulo.

Solve the multiplication and division problems.



3 Bhala izivakalisi manani ezi-4 zamanani akwiitheyibhile zamanani.

Write 4 number sentences for the numbers shown in the number tables.

45				
5		q		
5	×	q	=	45
q	×	5	=	45
45	÷	5	=	q
45	÷	q	=	5

21				
3		7		
	×		=	
	×		=	
	÷		=	
	÷		=	

32				
8		4		
	×		=	
	×		=	
	÷		=	
	÷		=	

70				
10		7		
	×		=	
	×		=	
	÷		=	
	÷		=	

33				
3		11		
	×		=	
	×		=	
	÷		=	
	÷		=	

48				
7		8		
	×		=	
	×		=	
	÷		=	
	÷		=	

Amabali olwahlulo
Division stories

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 Sombulula iingxaki zamagama zolwahlulo.

Solve the division word problems.

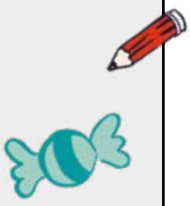
Kukho iilekese ezingama-63. Zabelwe abahlobo abasi-7 ngokulinganayo. Uza kufumana iilekese ezingaphi umhlobo ngamnye?

There are 63 sweets. They are shared equally between 7 friends. How many sweets will each friend get?

7 x 9 = 63 ngoko ke (so) 63 ÷ 7 = 9

Umhlobo ngamnye uza kufumana iilekese ezisi-9.

Each friend will get 9 sweets.



Kukho izitoki ezingama-40. Zabelwe iingxowa ezi-5 ngokulinganayo. Iza kuba nezitoki ezingaphi ingxowa nganye?

There are 40 lollipops. They are shared equally between 5 bags. How many lollipops will there be in each bag?

____ x ____ = ____ ngoko ke (so) ____ ÷ ____ = ____

Ingxowa nganye iza kuba nezitoki ezi-____.

Each bag will have ____ lollipops.

Kukho ama-apile angama-24. Abelwe iibhokisi ezi-6 ngokulinganayo. Iza kuba nama-apile amangaphi ibhokisi nganye?

There are 24 apples. They are shared equally between 6 boxes. How many apples will each box get?

____ x ____ = ____ ngoko ke (so) ____ ÷ ____ = ____

Ibhokisi nganye iza kuba nama-apile ama-____.

Each box will get ____ apples.

Kukho iincwadi ezingama-50. Zabelwe amathala ali-10 ngokulinganayo. Ziza kuba ngaphi iincwadi ezikwithala ngalinye?

There are 50 books. They are shared equally between 10 shelves. How many books will each shelf get?

____ x ____ = ____ ngoko ke (so) ____ ÷ ____ = ____

Ithala ngalinye liza kuba neencwadi ezi-____.

Each shelf will get ____ books.

Thetha neqabane lakho. Zenzeleni awenu amabali olwahlulo.

Talk to your partner. Make up your own division stories.

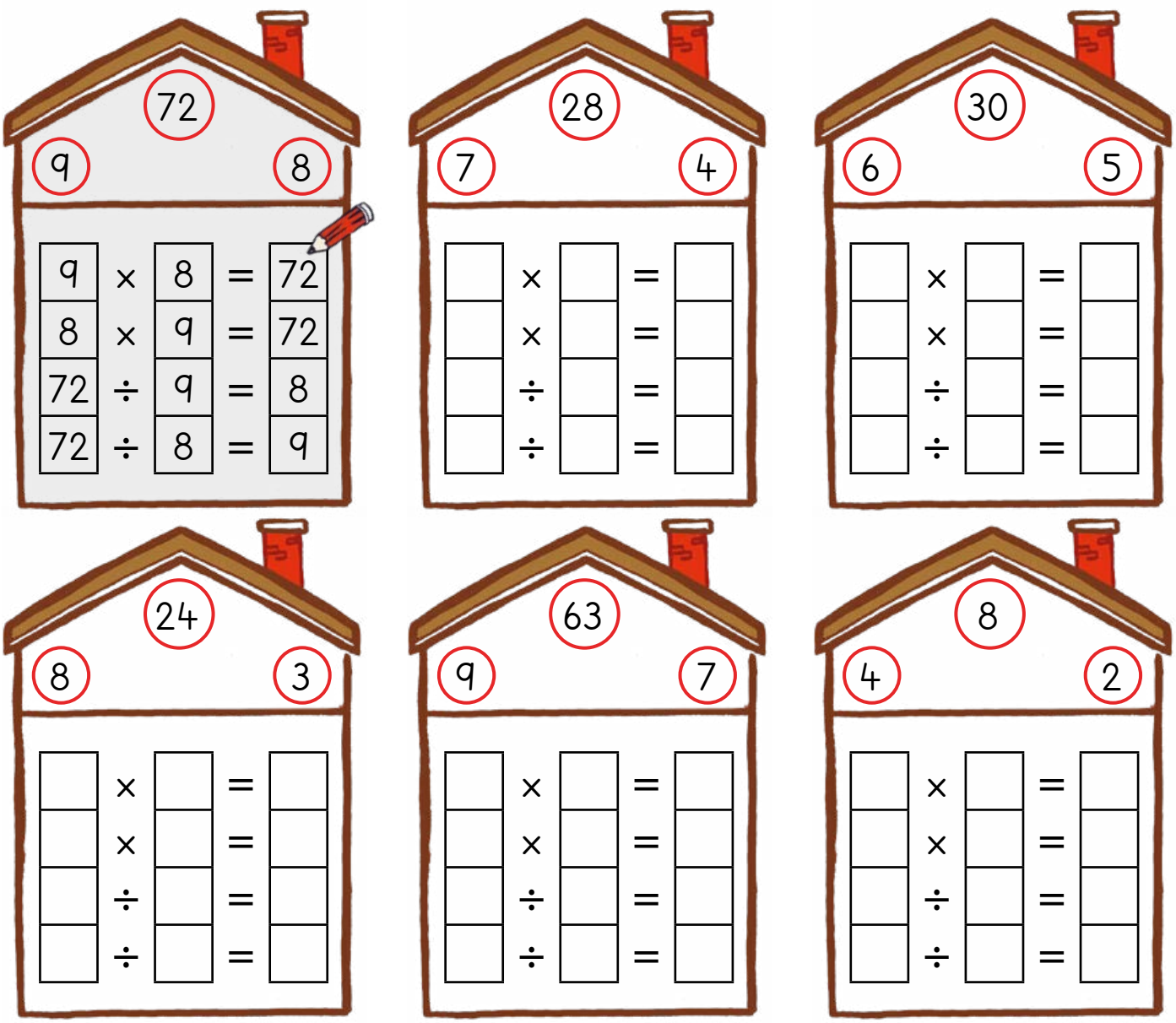
2 Sombulula iingxaki zolwahlulo.

Solve the division problems.

30 ÷ 5 = 6	36 ÷ 9 = ____	49 ÷ 7 = ____
0 ÷ 3 = 0	56 ÷ 8 = ____	28 ÷ 4 = ____
48 ÷ 6 = ____	0 ÷ 9 = ____	9 ÷ 1 = ____
20 ÷ 2 = ____	27 ÷ 3 = ____	90 ÷ 10 = ____
15 ÷ 3 = ____	100 ÷ 10 = ____	40 ÷ 10 = ____

3 Bhala izivakalisi manani zophindaphindo nolwahlulo usebenzise la manani.

Use the numbers to write multiplication and division number sentences.



Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

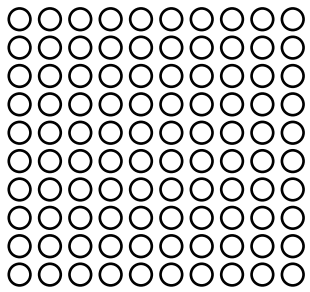
1 Gqibezela itheyibhile. Bhala izivakalisi manani.

Complete the table. Write the number sentences.

	imiqolo rows	iikholamu columns	uphindaphindo multiplication	ulwahlulo division
				
				

2 Fakela umbala kwimiqolo nakwiikholamu uze ubhale izivakalisi manani.

Colour the rows and columns and write the number sentences.

imiqolo emi-4 neekholamu ezi-5 4 rows and 5 columns	
	____ × ____ = ____ ____ ÷ ____ = ____

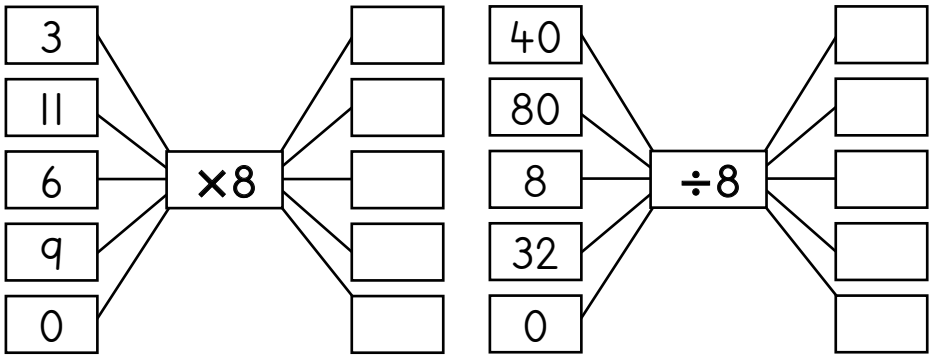
Masithethe ngeMaths!

Let's talk Maths!

NgesiXhosa sithi:	In English we say:
ucwangcisomanani	array
uphindaphindo	multiplication
ulwahlulo	division
amaqela ama-2 ezi-4	2 groups of 4
ukwabela abahlobo (ukwahlulela abahlobo)	sharing between friends
ukuhlela	grouping

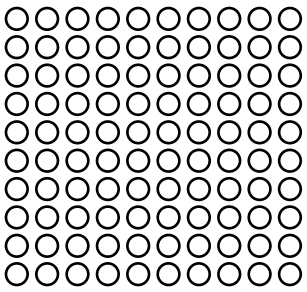
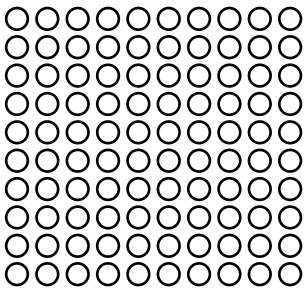
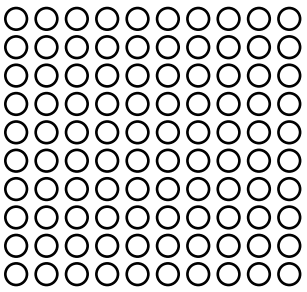
1 Sombulula iingxaki zophindaphindo nolwahlulo.

Solve the multiplication and division problems.



2 Fakela umbala kwimiqolo nakwiikholamu uze ubhale izivakalisi manani.

Colour the rows and columns and write the number sentences.

imiqolo emi-3 neekholamu ezisi-9 3 rows and 9 columns	imiqolo emi-6 neekholamu ezisi-7 6 rows and 7 columns	imiqolo esi-8 neekholamu ezi-2 8 rows and 2 columns
		
____ x ____ = ____	____ x ____ = ____	____ x ____ = ____
____ ÷ ____ = ____	____ ÷ ____ = ____	____ ÷ ____ = ____

3

0 ÷ 5 = ____	60 ÷ 6 = ____	44 ÷ 11 = ____
50 ÷ 5 = ____	21 ÷ 3 = ____	54 ÷ 9 = ____
42 ÷ 7 = ____	0 ÷ 4 = ____	18 ÷ 3 ____

4 Kukho iitshokolethi ezingama-48. Ibhokisi nganye ineetshokolethi ezi-6. Zingaphi iibhokisi eziza kuba neetshokolethi?

There are 48 chocolates. Each box gets 6 chocolates. How many boxes will get chocolates?

____ x ____ = ____ ngoko ke ____ ÷ ____ = ____

Zi____ iibhokisi eziza kuba neetshokolethi.

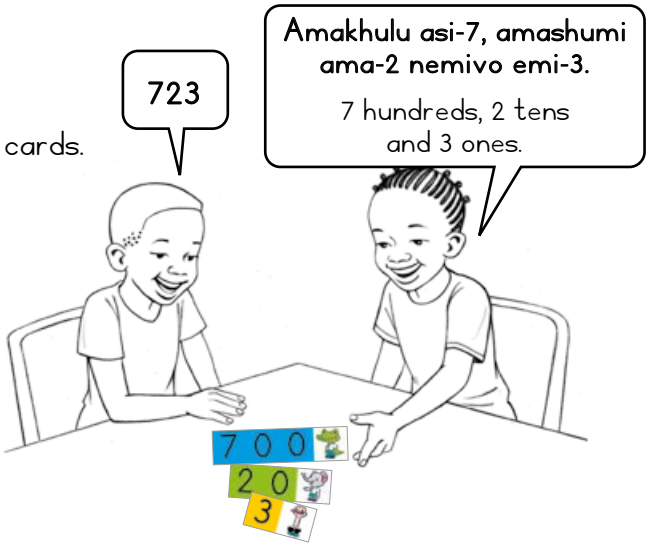
____ boxes will get chocolates.

Imijikelo nenkcazelo
Turns and direction

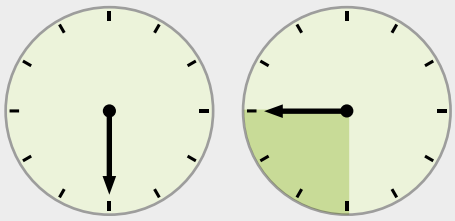
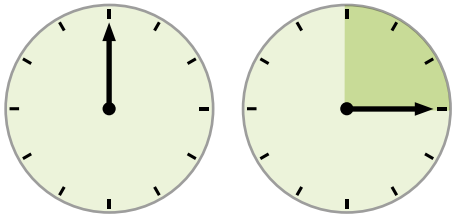
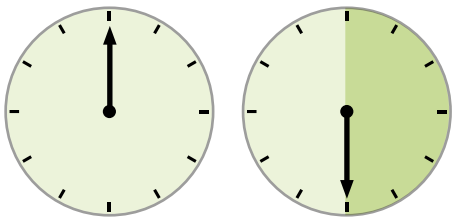
IZIBALO ZENTLOKO MENTAL MATHS: NDIBONISE INANI SHOW ME A NUMBER → UMDLALO GAME → UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA WORKSHEETS

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

- Sebenzani ngababini. Yakhani inani ngoonotsheluza zenu.
  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?

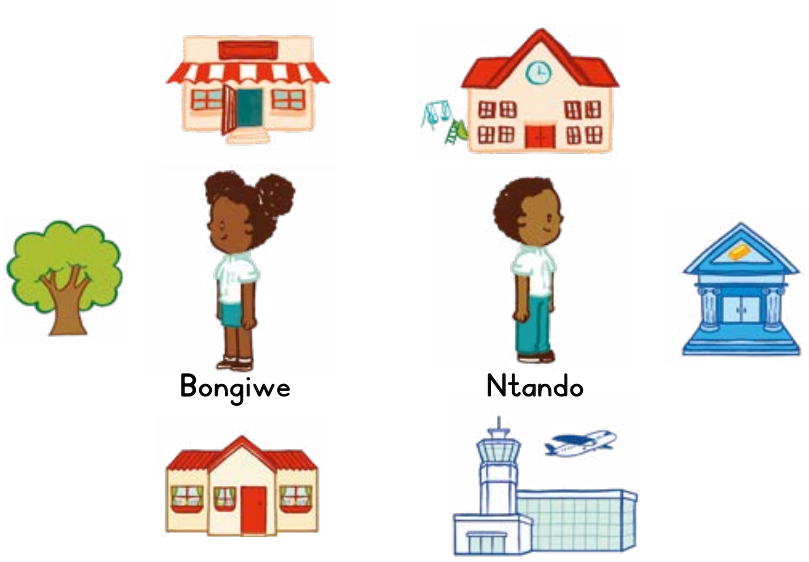


1 Biyela amagama achanekileyo ukuze ugqibezele izivakalisi.
Circle the correct words to complete the sentences.

	Usiba lujikelezea ngasekunene / ngasekhohlo kangangesiqingatha / kangangekota yeyure. The arrow moved a half turn / (quarter turn) / (clockwise) / anti-clockwise .
	Usiba lujikelezela ngasekunene / ngasekhohlo kangangesiqingatha / kangangekota yeyure. The arrow moved a half turn / quarter turn / clockwise / anti-clockwise .
	Usiba lujikelezela ngasekunene / ngasekhohlo kangagesiqingatha / kangangekota. The arrow moved a half turn / quarter turn / clockwise / anti-clockwise .

2 Dibanisa amachokoza ukuze ubonise icala abaza kujonga kulo.

Join the dots to show which way they will face.



	ukujika turn	ngakweliphi icala direction	ujonge ngaphi faces
	ukujika kangangekota quarter turn	ngasekunene clockwise	
	ukujika kangangekota quarter turn	ngasekhohlo anti-clockwise	
	ukujika kangangesiqingatha half turn	ngasekunene clockwise	
	ukujika kangangesiqingatha half turn	ngasekunene clockwise	
	ukujika kangangekota quarter turn	ngasekunene clockwise	
	ukujika kangangekota quarter turn	ngasekhohlo anti-clockwise	

3 Zoba iimilo ezilandelayo ezimbini kule patheni.

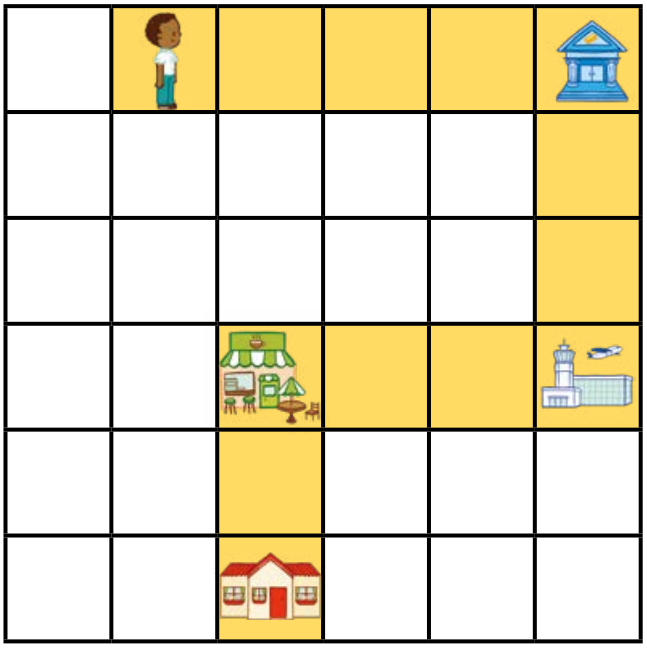
Draw the next two shapes in the pattern.

Ukulandela inkcazelo
Following directions

1 Gqibezela izivakalisi ezingezantsi ubonise ukuba uNtando ufika njani ekhaya. Sebenzisa amagama angasezantsi akuncede.

Complete the sentences below to show how Ntando gets to his house. Use the words below to help you.

bini two	**thathu** three	**ngasekunene** clockwise
ngasekhohlo anti-clockwise	**kangangekota** quarter	**phambili** forward



UNtando uya _____ izikwere ezi-4 ukuya ebhankini.

Ntando moves 4 squares _____ to go to the bank.

Aze ajike _____ aye ngasekunene.

Then, he makes a _____ turn clockwise.

UNtando uhambisa _____ izikwere phambili ukuya kumzi wenqwelo-moya.

Ntando moves _____ squares forward to go to the airport.

Aphinde ajike kangangekota ukuya _____ aze aye phambili izikwere ezi-3 ukuya ekhefi.

Then he makes a quarter turn _____ and moves 3 squares forward to go to the café.

UNtando ujika kangangekota ukuya _____ aze aye phambili izikwere ezi_____ ukuya ekhaya.

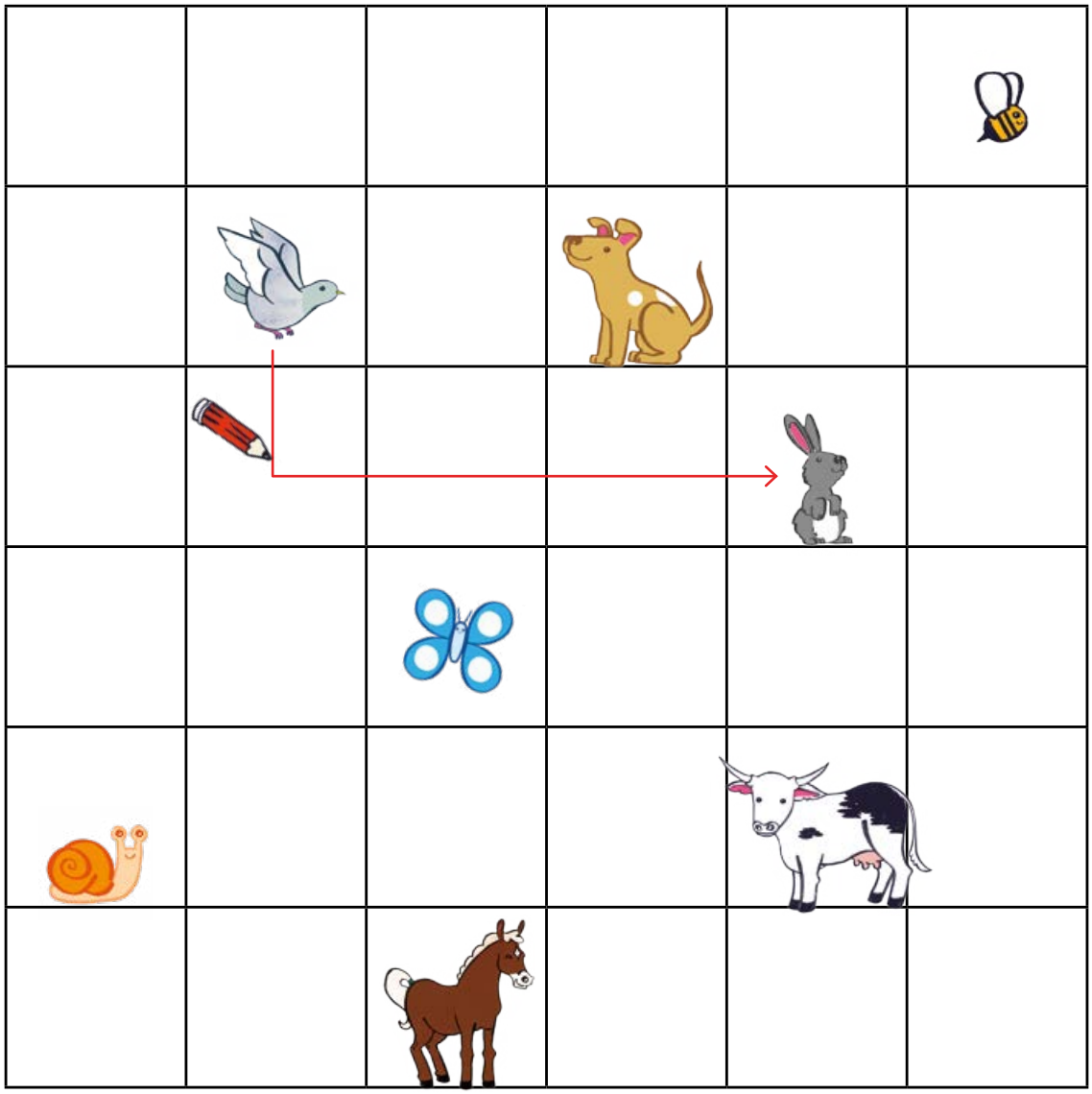
He makes a quarter turn _____ and moves _____ squares forward to get home.

2 Zoba imigca ubonise indlela eya kwisinambuzane esichanekileyo.

Draw lines to show the directions to the correct creature.

Thetha nomhlobo wakho malunga nenkcazelo oyifumanayo.

Talk to your friend about the directions you find.



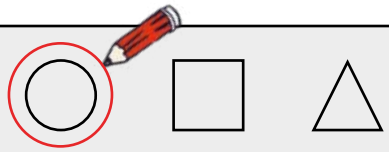
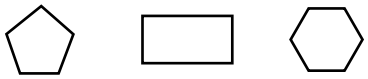
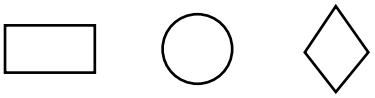
Imbonakalo
Views

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

1 Zoba imbonakalo yangasentla yezinto ezikhoyo.
Draw the top view of these objects.

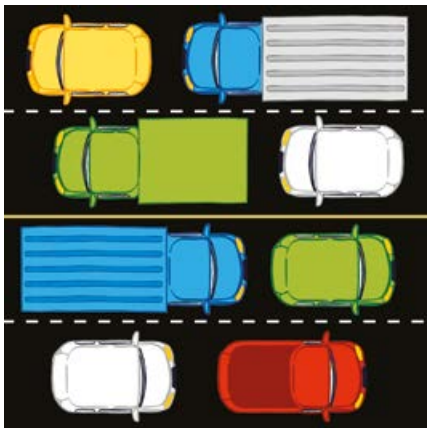
		
		
		

2 Biyela umfanekiso ubonise imbonakalo echanekileyo.
Circle the picture to show the correct view.

	imbonakalo yangasekhohlo left side view	
	imbonakalo yangasentla top view	
	imbonakalo yangasekhohlo left side view	
	imbonakalo yangasekunene right side view	
	imbonakalo yangasentla top view	

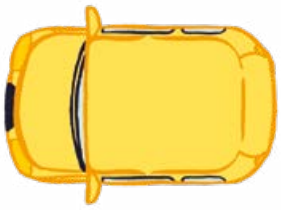
3 Zoba umgca kumgca elichanekileyo ukuze uchaze imbonakalo.

Draw a line to the correct word to describe the view.



imbonakalo yasecaleni side view
imbonakalo yangaphambili front view
imbonakalo yangasemva back view
imbonakalo yangasentla top view

imbonakalo yasecaleni side view
imbonakalo yangaphambili front view
imbonakalo yangasemva back view
imbonakalo yangasentla top view



Imephu
Maps

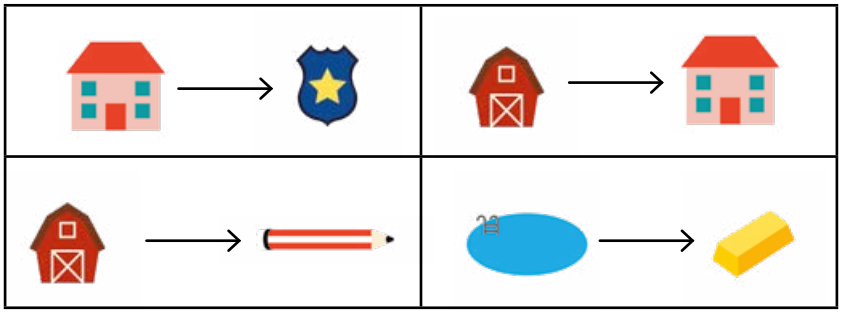
IZIBALO ZENTLOKO
MENTAL MATHS
NDIBONISE INANI
SHOW ME A NUMBER
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Yalathisa indlela umhlobo wakho. Tshintshiselanani ngokunika ingcaciso.

Give directions to a friend. Take turns to explain.

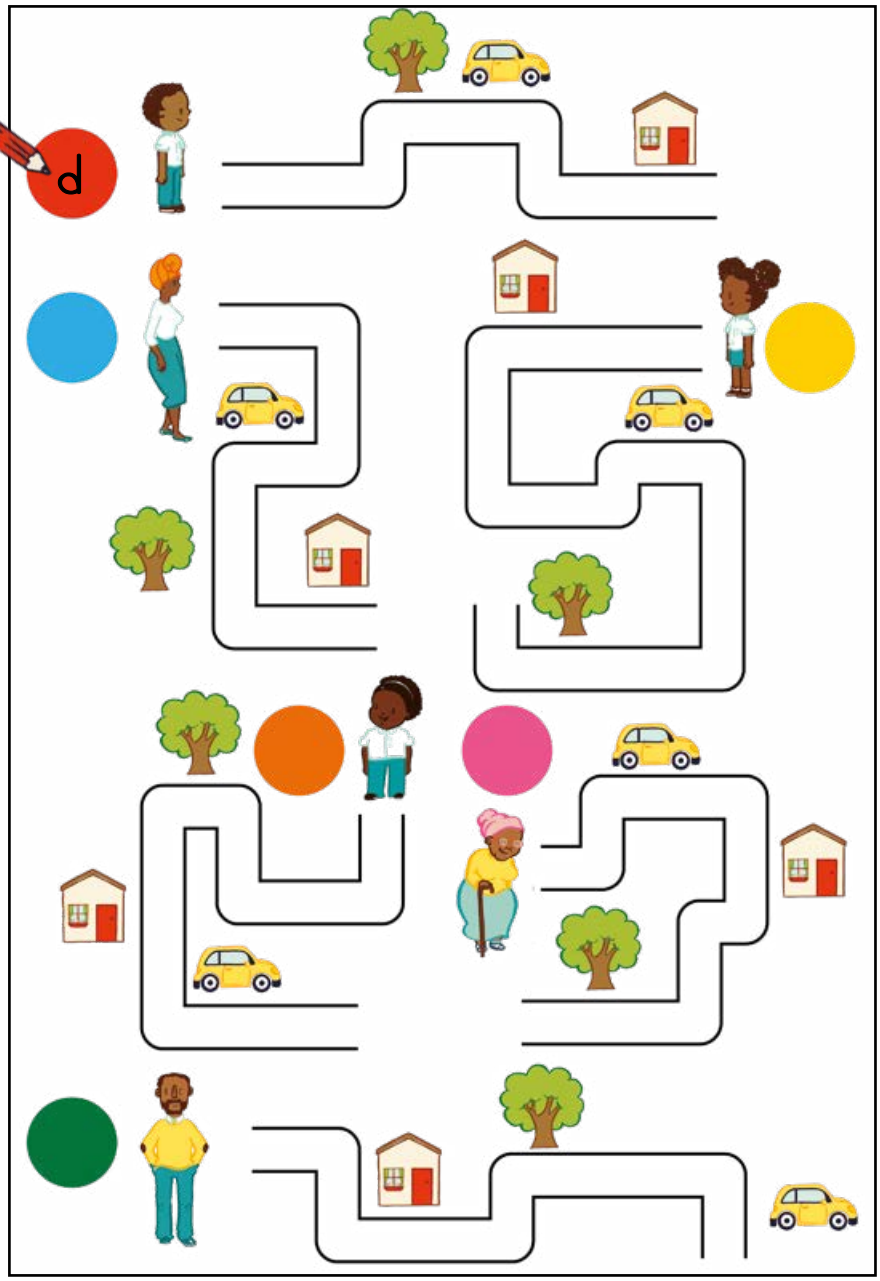
indlu house
ihlathi forest
ivenkile shop
ithala leencwadi library
ukutya food
ibhanki bank
isikolo school
iposi post office
ipolisa police
ifama farm
ipuli yokuqubha swimming pool

Khangela ezinye iindlela zokuhamba!
Look for different ways to go!



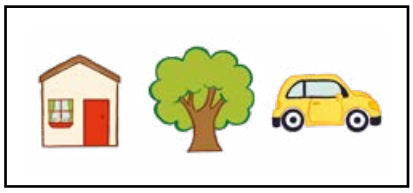
2 Tshatisa imephu neebhakana.

Match the maps to the landmarks.

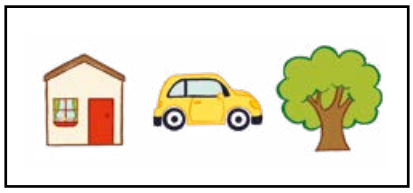


a

b

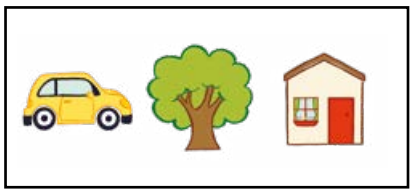


c



d

e



f

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

Zoba imbonakalo yangaphambili neyangasentla yezinto ezikhoyo.

Draw the front view and the top view of these objects.

	imbonakalo angaphambili front view	imbonakalo yangasentla top view
		
		
		
		
		

Masithethe ngeMaths!

Let's talk Maths!

NgesiXhosa sithi:	In English we say:
ukujikelezela ngasekunene	clockwise
ukujikelezela ngasekhohlo	anti-clockwise
ukujika kangangesiqingatha	half turn
ukujika kangangekota	quarter turn
ekhohlo	left
ekunene	right

1 Lujonge ngaphi utolo?

What direction does the arrow show?

→	←

Ziqheliseni ukusebenzisa amagama okwalathisa. Cela iqabane lenze le mijikelezo: ukujikelezela ngasekunene, ukujikelezela ngasekhohlo, ukujika kangangesiqingatha, ukujika kangangekota, ekhohlo, ekunene.

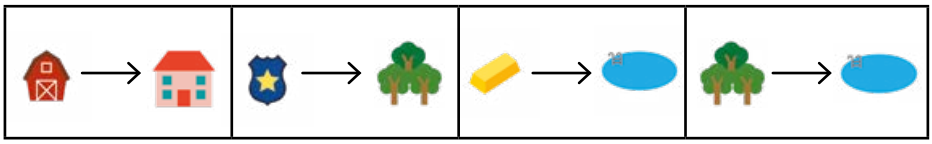
Practise using direction words. Ask your partner to make these turns: clockwise, anti-clockwise, half turn, quarter turn, left and right.

2 Nika inkcazelo kumhlobo wakho. Tshintshiselanani ngokunika ingcaciso.

Give directions to a friend. Take turns to explain.

Khangela ezinye iindlela zokuhamba!

Look for different ways to go!

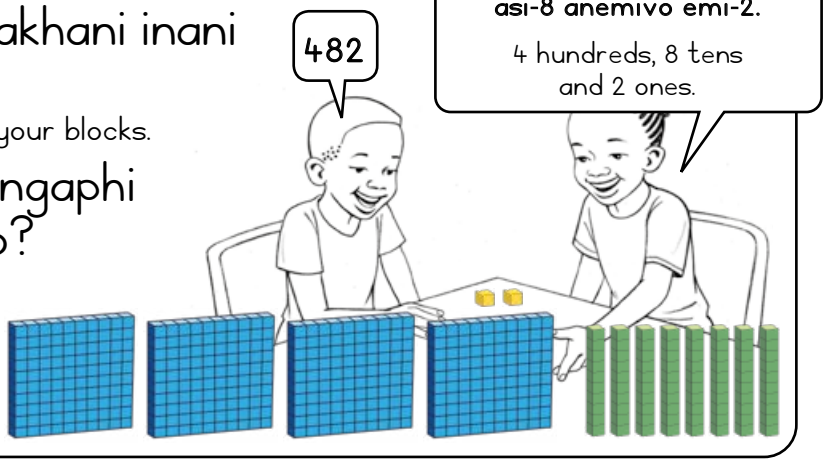


Ukwahlula ngeziphindwa
Division using multiples

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?

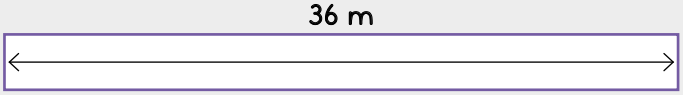
- Sebenzani ngababini. Yakhani inani ngeebloko zenu.
  Work in pairs. Build a number using your blocks.
- Mangaphi ama-100? Mangaphi ama-10? Mingaphi imivo?
  How many 100s?
  How many 10s? How many 1s?
- Leliphi inani?
  What number?

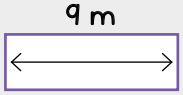


1

Uluthi 1 lunobude obungama-36 m. Uluthi 2 lunobude obungange-9 m. Uluthi 1 lude ngokuphindwe kangaphi kunoluthi 2?
Stick 1 is 36 m long. Stick 2 is 9 m long. How many times longer is Stick 1 than Stick 2?

Zoba.
Draw.





isivakalisi manani sokwahlula division number sentence	36 ÷ 9 = 4	Isiphumo. Answer.	inde ngo-kuphindwe ka-4 4 times longer

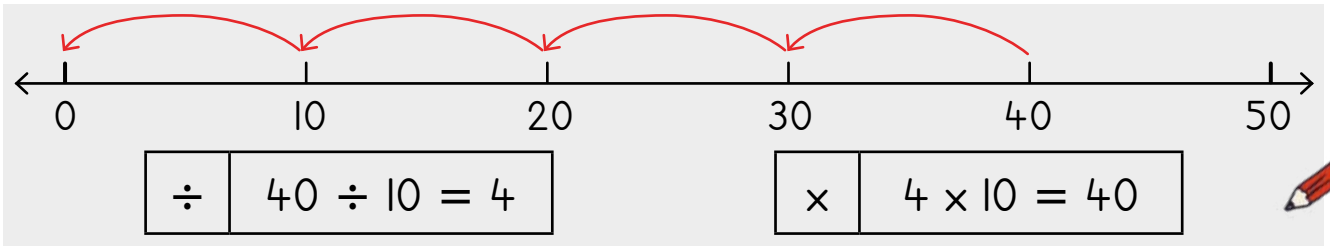
Intambo 1 inobude obungama-70 m. Intambo 2 inde kangange-10 m. Ingaba inde ngokuphindwe kangaphi intambo 1 kunentambo 2?
Rope 1 is 70 m long. Rope 2 is 10 m long. How many times longer is Rope 1 than Rope 2?

Zoba.
Draw.

isivakalisi manani sokwahlula division number sentence		Isiphumo. Answer.	

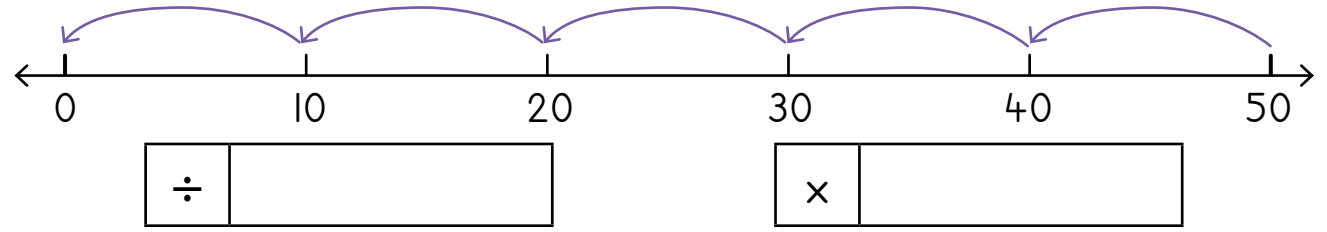
2 Bhala izivakalisi manani zophindaphindo nolwahlulo usebenzise iziphindwa.

Use the multiples to help you write the multiplication and division number sentences.



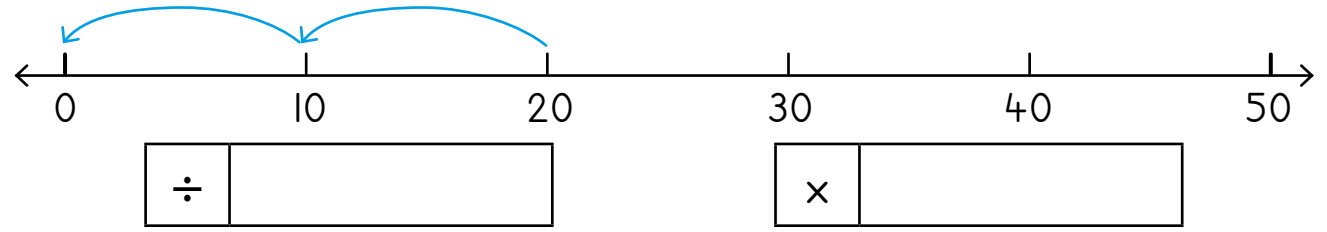
÷	40 ÷ 10 = 4

×	4 × 10 = 40



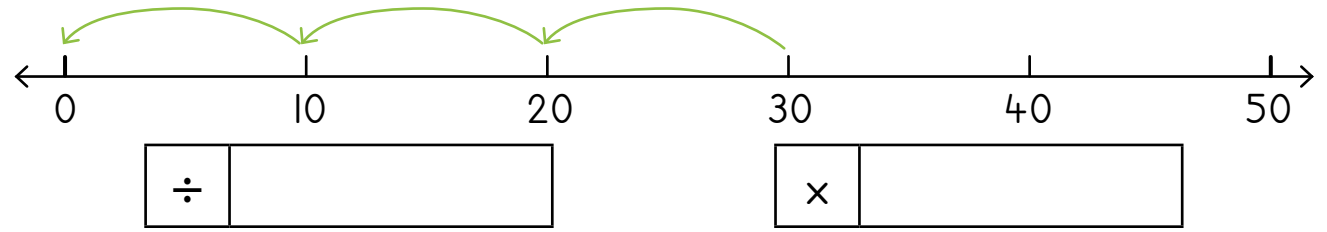
÷	

×	



÷	

×	

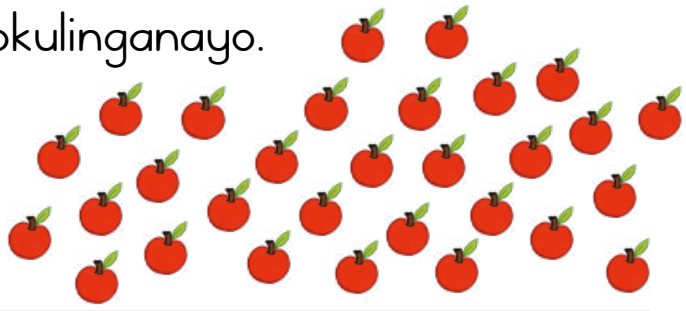


÷	

×	

3 Yabela abahlobo la ma-apile ngokulinganayo.

Divide the apples equally among the friends.



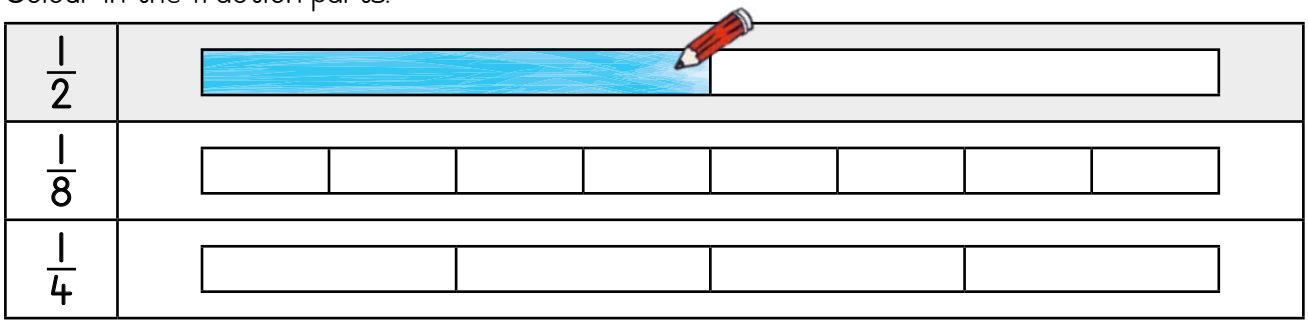
Bhala isivakalisi manani sokwahlula. Write the division number sentence.	Qinisekisa isiphumo sakho ngokubhala isivakalisi manani sophindaphindo. Check your answer by writing the multiplication number sentence.

Ulwabiwo olukhokelela kumaqhezu
Sharing leading to fractions

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

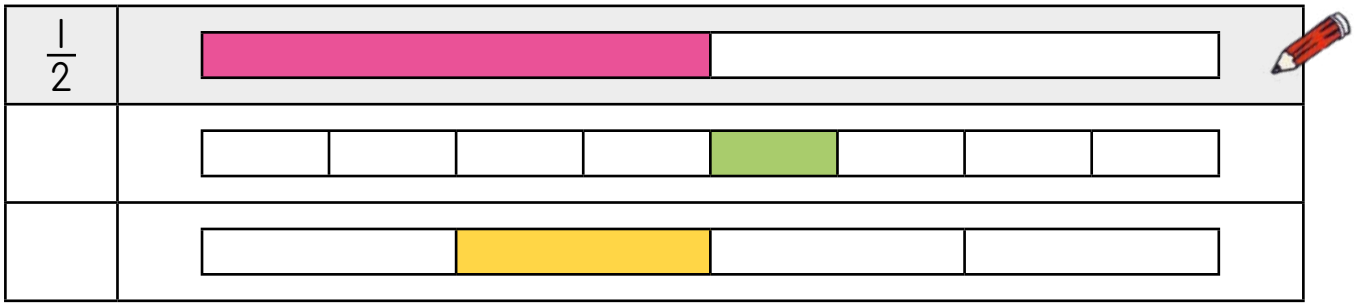
1 Fakela umbala kwizahlulo zamaqhezu.

Colour in the fraction parts.



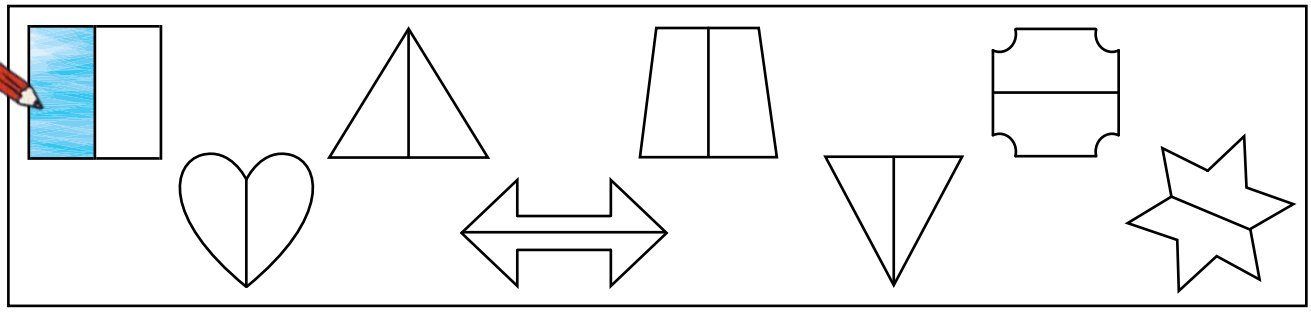
2 Leliphi iqhezu elifakelwe umbala?

What fraction is shaded in?



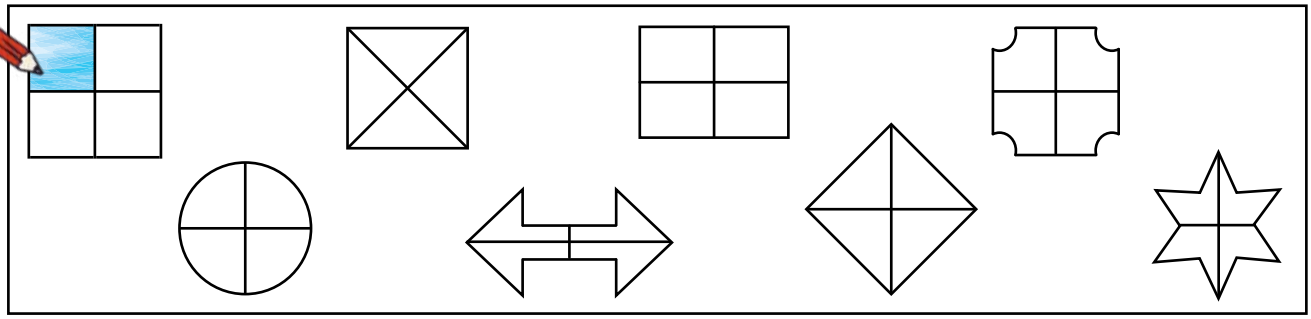
3 Fakela umbala kwisiqingatha semilo nganye.

Colour in one half of the shapes.



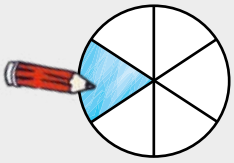
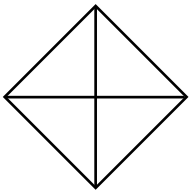
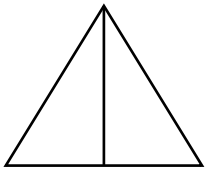
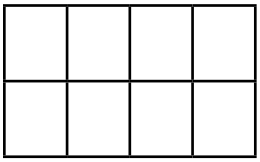
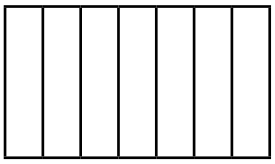
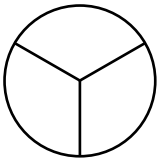
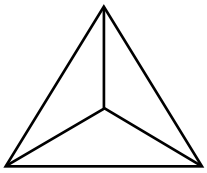
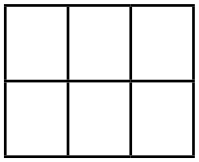
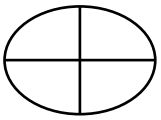
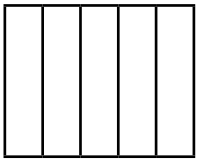
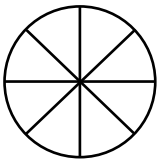
4 Fakela umbala kwikota yemilo nganye.

Colour in one quarter of each shape.



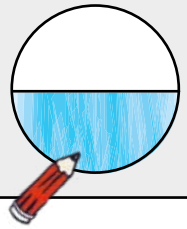
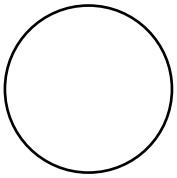
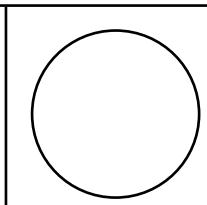
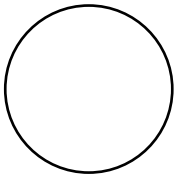
5 Fakela umbala kumaqhezu.

Colour in the fractions.

$\frac{1}{6}$		$\frac{1}{4}$		$\frac{1}{2}$	
$\frac{1}{8}$		$\frac{1}{7}$		$\frac{1}{3}$	
$\frac{1}{3}$		$\frac{1}{6}$		$\frac{1}{4}$	
$\frac{1}{2}$		$\frac{1}{5}$		$\frac{1}{8}$	

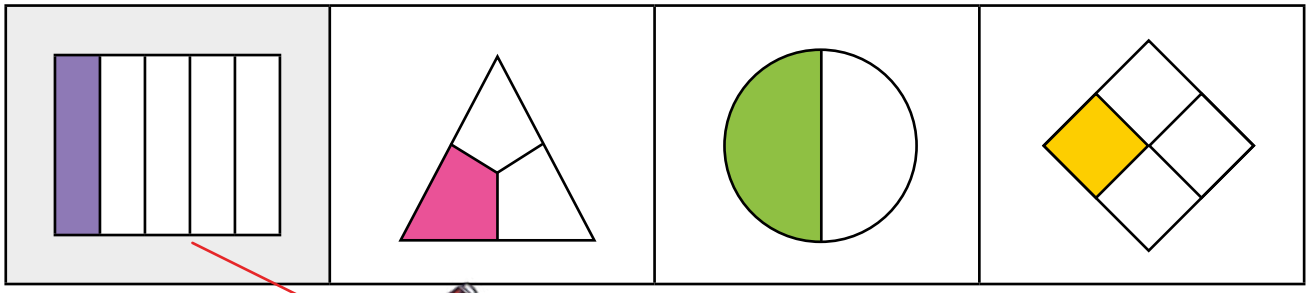
6 Yahlula uze ufakele umbala kumaqhezu.

Divide and colour the fractions.

$\frac{1}{2}$		$\frac{1}{3}$		$\frac{1}{4}$		$\frac{1}{5}$	

7 Krwela imigca utshatise amaqhezu.

Draw lines to match the fractions.

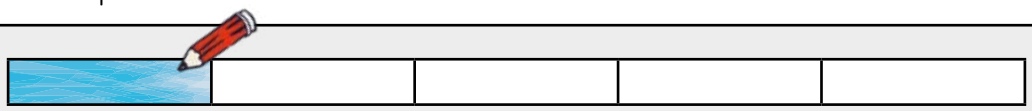
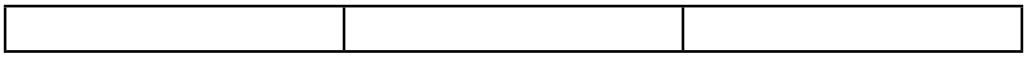
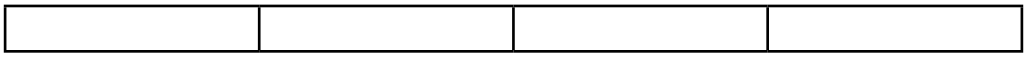


$\frac{1}{3}$	$\frac{1}{5}$	$\frac{1}{4}$	$\frac{1}{2}$

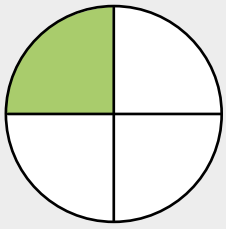
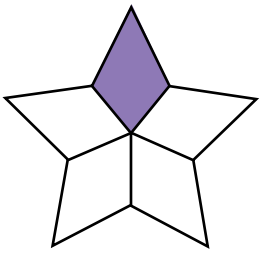
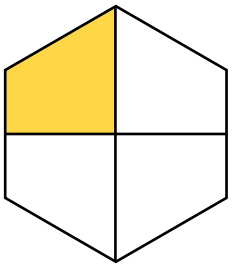
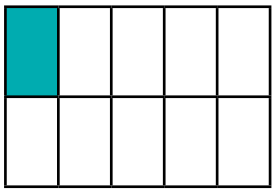
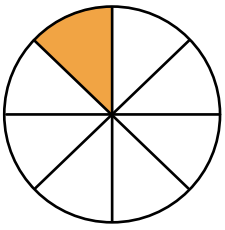
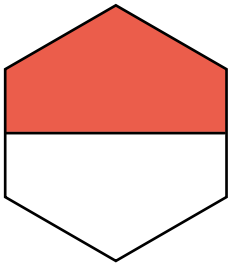
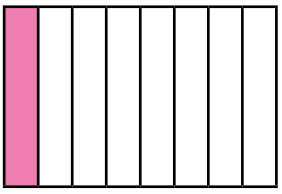
Amaqhezu
Fractions

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

1 Fakela umbala kwizahlulo zamaqhezu.
Colour in the fraction parts.

$\frac{1}{5}$	
$\frac{1}{8}$	
$\frac{1}{3}$	
$\frac{1}{6}$	
$\frac{1}{4}$	

2 Bhala iqhezu utshatise isahlulo esinombala.
Write the fraction to match the shaded part.

			
$\frac{1}{4}$ 			
			

3 Kukho iibhotile ezingama-24 ekhabhathini. Kukho iibhotile ezi-6 kwithala. Zininzi ngokuphindwe kangaphi iibhotile ezisekhabhathhini kunezo zikwithala?

There are 24 jars in the cupboard. There are 6 jars on the shelf. How many times more jars are there in the cupboard than on the shelf?

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

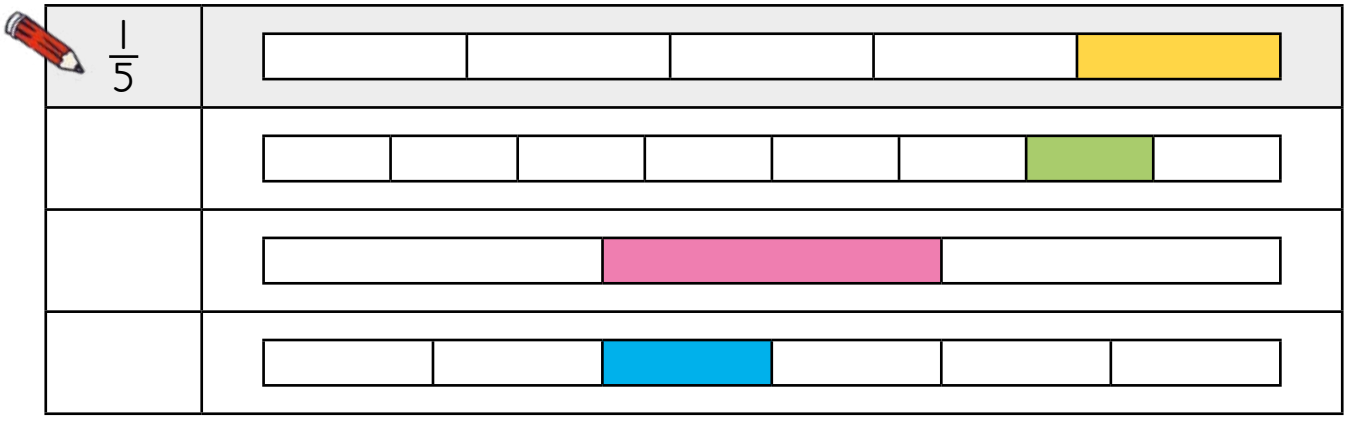
Kukho iincwadi ezingama-49 kwithala. Kukho iincwadi ezisi-7 phezu kwetafile. Ingaba zininzi ngokuphindwe kangaphi iincwadi ezikwithala kunezo zisetafileni?

There are 49 books on the shelf. There are 7 books on the table.
How many times more books are there on the shelf than on the table?

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

4 Leliphi iqhezu elinombala?

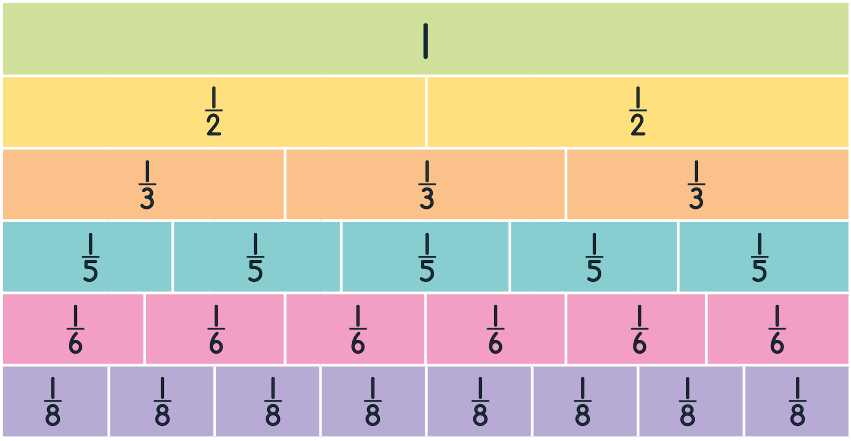
What fraction is shaded in?



Amaqhezu
Fractions

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

1 Jonga olu donga lwamaqhezu.
Look at the fraction wall.



Kukho iziqingatha ezi-_2_ kwinto epheleleyo. There are _2_ halves in a whole.	
Kukho izahlulo zezithathu ezi____ kwinto epheleleyo. There are _____ thirds in a whole.	
Kukho izahlulo zezithandathu ezi____ kwinto epheleleyo. There are _____ sixths in a whole.	
Kukho izahlulo zezithandathu ezi____ kwisiqingatha. There are _____ sixths in a half.	
Kukho izahlulo zezithandathu ezi____ kwisithathu. There are _____ sixths in a third.	

Zingaphi izahlulo zezihlanu kwinto enye epheleleyo? How many fifths make up one whole?	5
Zingaphi izahlulo zezibhozo ezenza into enye epheleleyo? How many eighths make up one whole?	
Zingaphi izahlulo zezithathu ezenza into enye pheleleyo? How many thirds make up one whole?	
Zingaphi izahlulo zezithandathu ezenza into enye epheleleyo? How many sixths make up one whole?	

2 Fakela umbala kumaqhezu ubonise into epheleleyo.

Colour in the fractions to show a whole.

iikota ezi-4 = 1 epheleleyo 4 quarters = 1 whole	izithandathu ezi-____ = 1 epheleleyo ____ sixths = 1 whole	izithathu ezi-____ = 1 epheleleyo ____ thirds = 1 whole

3 Fakela umbala kwizahlulo zamaqhezu.

Colour in the fraction parts.

$\frac{1}{4}$	
$\frac{1}{2}$	
$\frac{1}{5}$	
$\frac{1}{3}$	
$\frac{1}{8}$	
$\frac{1}{6}$	

4 Zide kangakanani izahlulo ezifakwe umbala?

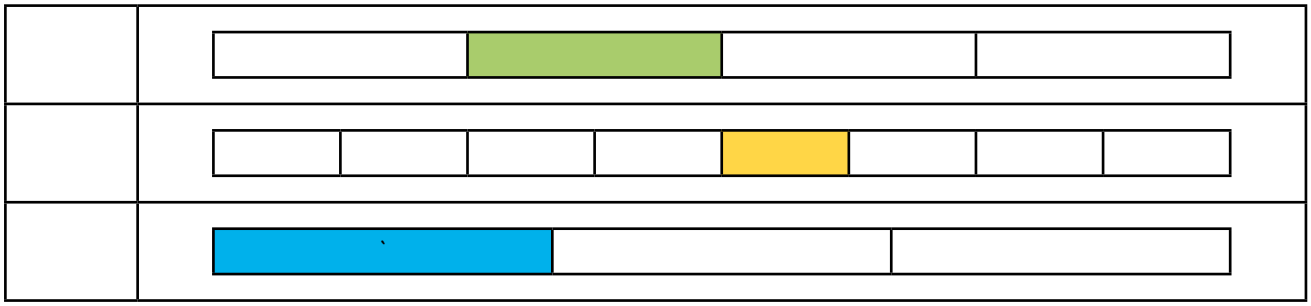
What is the length of the shaded parts?

	ubude length
1 m	$\frac{1}{3}$ m
1 m	
1 m	
1 m	

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Leliphi iqhezu elifakwe umbala?
What fraction is shaded in?



2 Kukho amapetyu angama-60. Yabela abahlobo abali-10. Ufumana amapetyu amangaphi umhlobo ngamnye?
There are 60 marbles. Share the marbles between 10 friends. How many does each friend get?

Zoba. Draw.		
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence	Isiphumo. Answer.

3

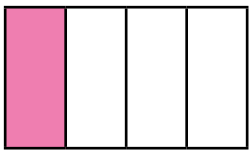
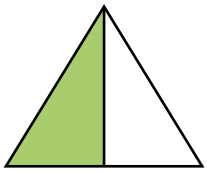
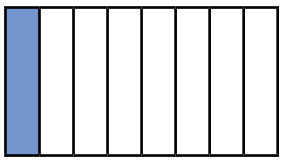
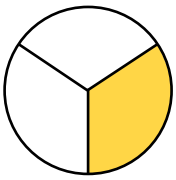
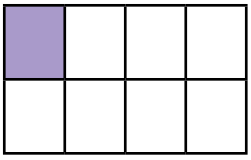
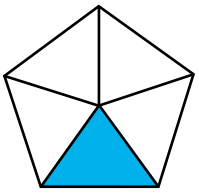
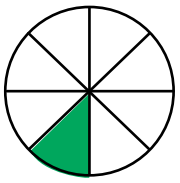
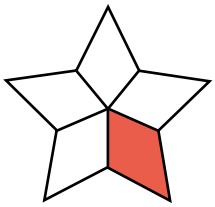
56 ÷ 8 = ____	42 ÷ 7 = ____	9 ÷ 9 = ____	15 ÷ 5 = ____

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
amaqhezu	fractions
izahlulo zamaqhezu	fractional parts
iikota	quarters
izihlanu	fifths
izithathu	thirds

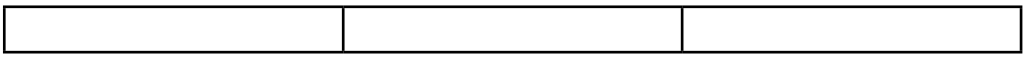
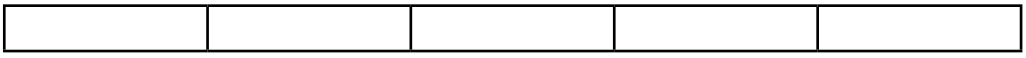
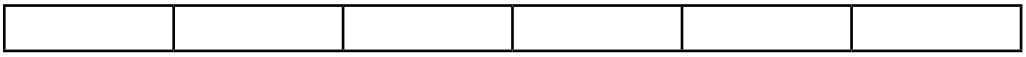
1 Bhala iqhezu.

Write the fraction.

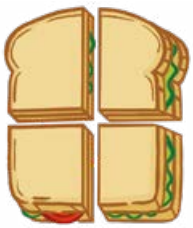
2 Fakela umbala kwizahlulo zamaqhezu.

Colour in the fraction parts.

$\frac{1}{3}$	
$\frac{1}{5}$	
$\frac{1}{6}$	

3 UThabo unesonka esimnandi esisikwe saziikota. Zoba ezinye iindlela ezi-3 anokusisika ngayo isonka sakhe sibe ziikota.

Thabo has a sandwich that is cut into quarters. Draw 3 other ways that he could cut his sandwich into quarters.



4

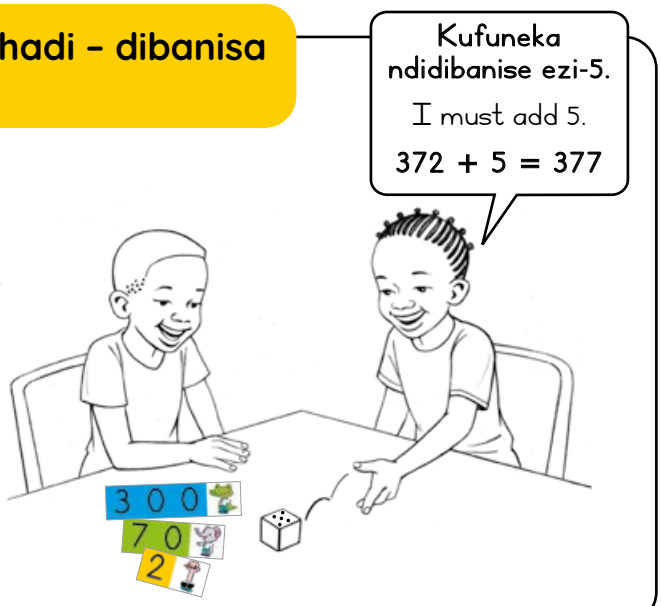
7 ÷ 1 = ____	48 ÷ 6 = ____	12 ÷ 4 = ____	0 ÷ 8 = ____

Amaqhezu
Fractions

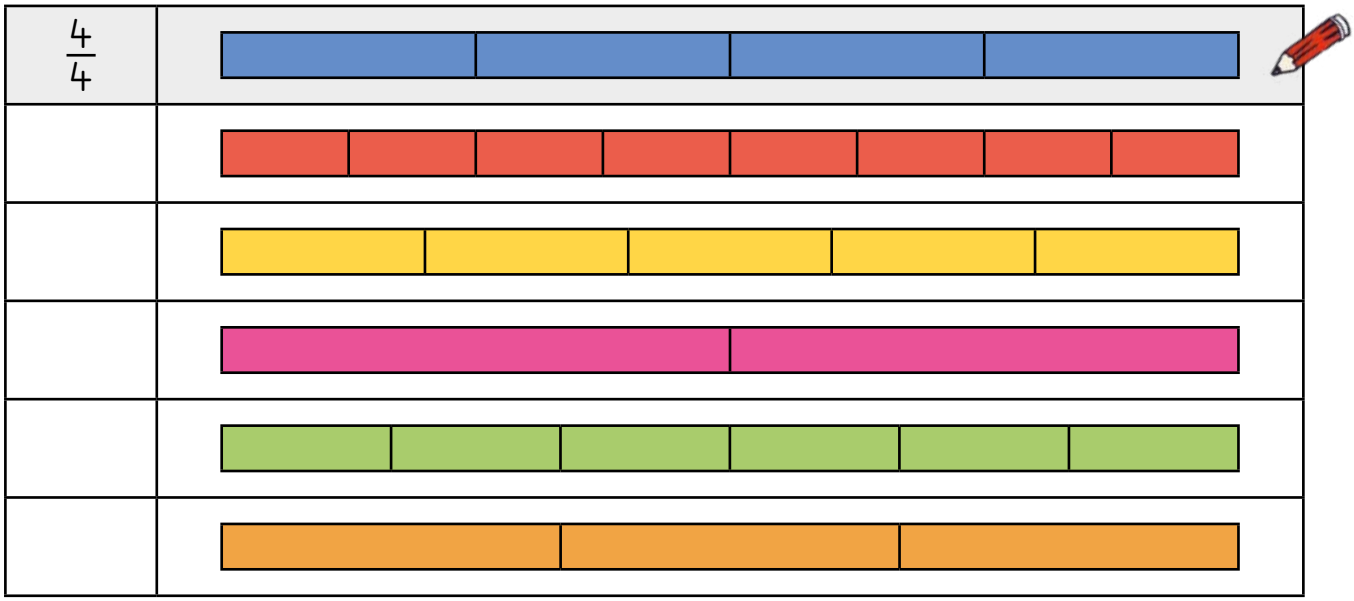
IZIBALO ZENTLOKO – MENTAL MATHS: NDINIKE NGAPHEZULU – GIVE ME MORE THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

Umdlalo: Imaths ekhawulezayo ngamakhadi – dibanisa
Game: Fast maths with cards – add

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



1 Leliphi iqhezu elifakwe umbala?
What fraction has been shaded?

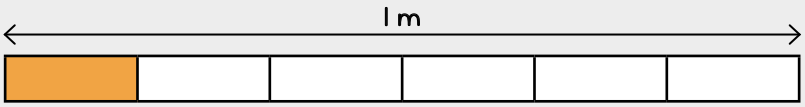
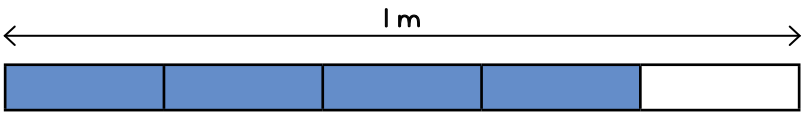
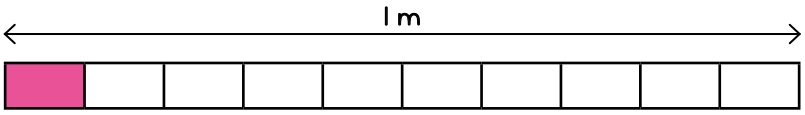


2 Fakela umbala kwizahlulo zamaqhezu ukuze zihambelane neqhezu elinikiweyo.
Shade the fraction parts to match the fraction.

$\frac{2}{5}$	
$\frac{3}{6}$	
$\frac{2}{3}$	

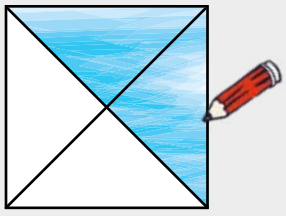
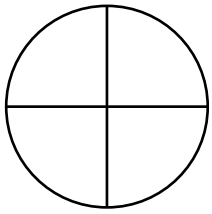
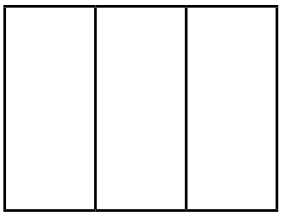
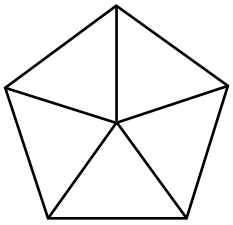
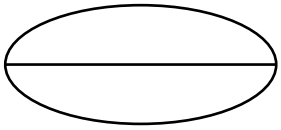
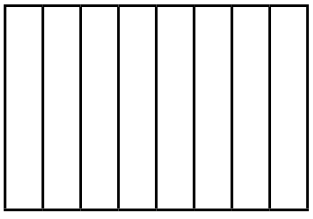
3 Bungakanani ubude besahlulo esifakelwe umbala?

What is the length of the shaded part?

	ubude length
	$\frac{1}{6}$ m
	
	
	

4 Fakela umbala.

Colour in.

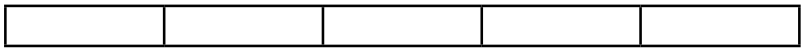
$\frac{1}{2}$ 	$\frac{3}{4}$ 	$\frac{2}{3}$ 
$\frac{4}{5}$ 	$\frac{1}{2}$ 	$\frac{5}{8}$ 

Amaqhezu njengamanani
Fractions as numbers

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

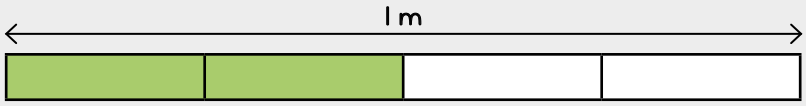
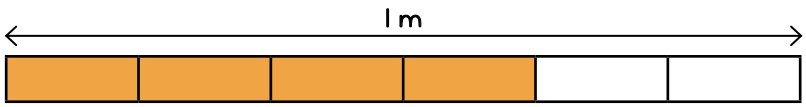
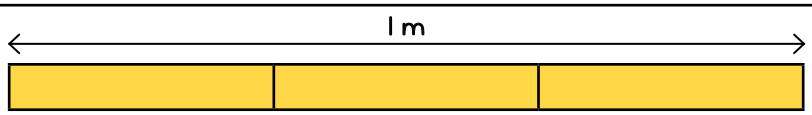
1 Fakela umbala kwizahlulo zamaqhezu ukuze zihambelane neqhezu elinikiweyo.

Shade the fraction parts to match the fraction.

iikota ezine four quarters	
isithathu kwisibhozo three eighths	
isibini kwisihlanu two fifths	
isihlanu kwisithandathu five sixths	
isinye kwisithathu one third	

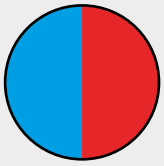
2 Side kangakanani isahlulo esinombala?

What is the length of the shaded part?

	ubude length
	$\frac{2}{4}$ m
	
	

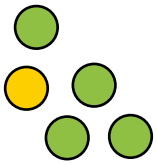
3 Jonga imifanekiso uze uphendule imibuzo.

Look at the pictures and answer the questions.



Liqhezu lini elibomvu?
What fraction is red?

$\frac{1}{2}$



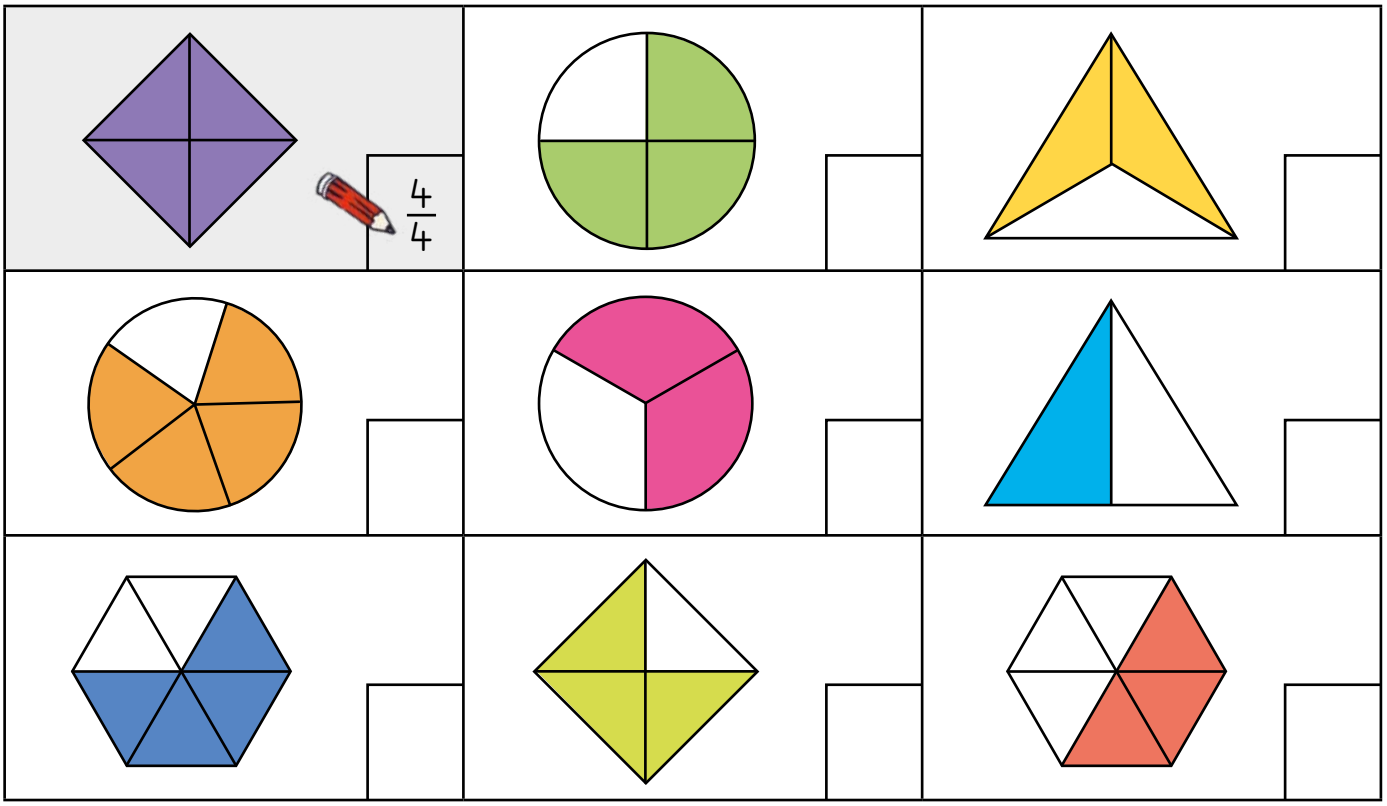
Liqhezu lini eliluhlaza?
What fraction is green?

Liqhezu lini elizuba?
What fraction is blue?

Liqhezu lini elimthubi?
What fraction is yellow?

4 Bhala amaqhezu.

Write the fractions.



5 Zoba amaqhezu eemilo.

Draw fractions of the shapes.

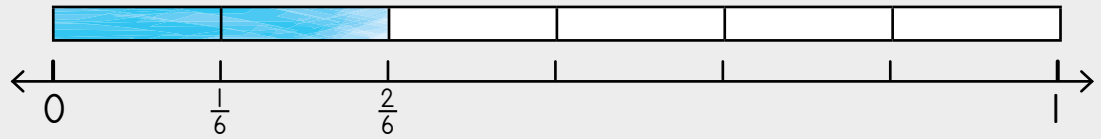
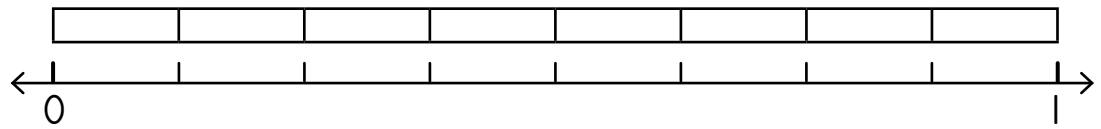
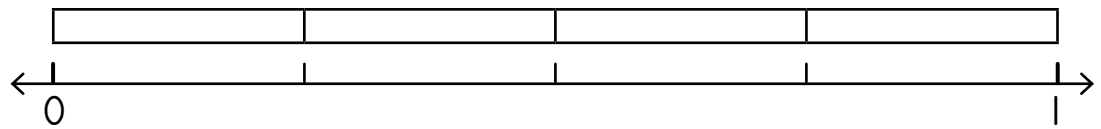
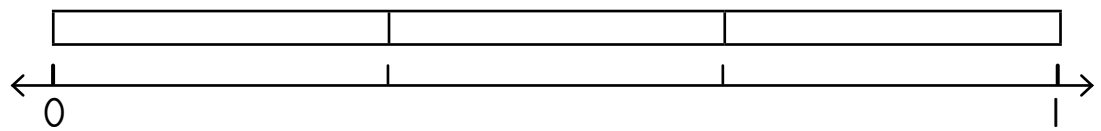
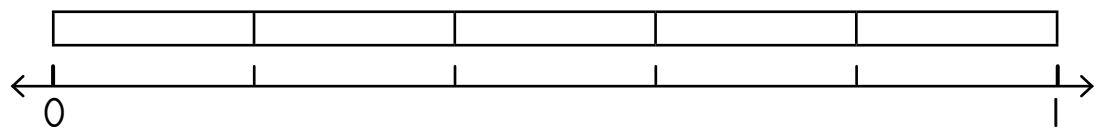
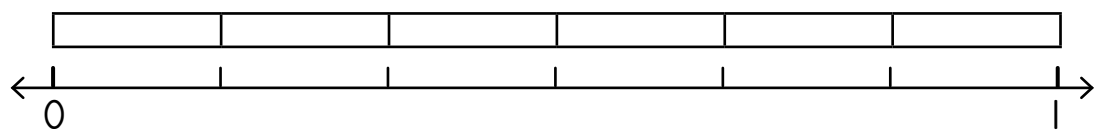
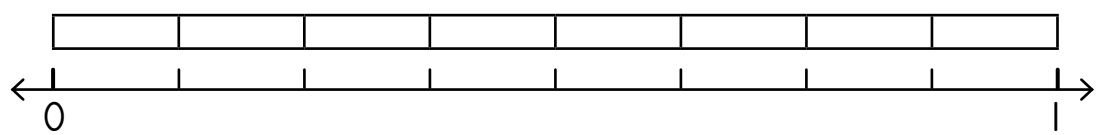
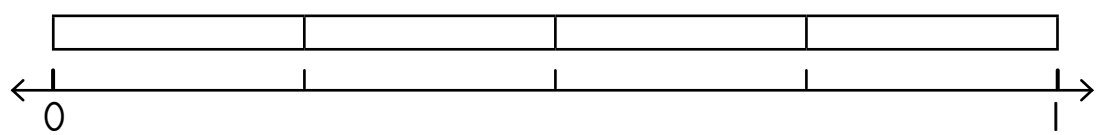
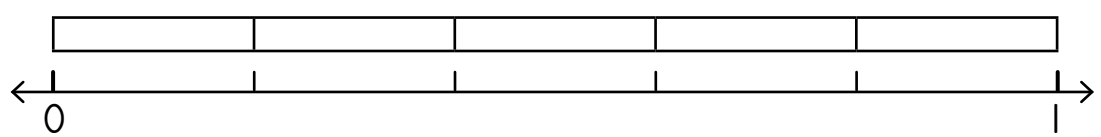
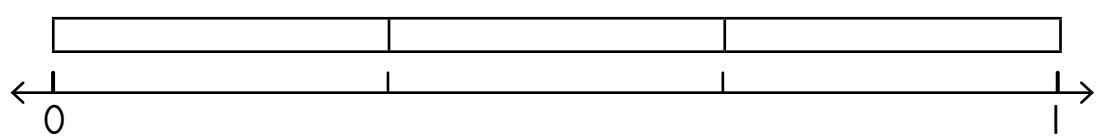
3/4 zesikwere of a square	1/2 sesangqa of a circle	2/3 sikanxantathu of a triangle
4/5 sesangqa of a circle	4/8 sesikwere of a square	2/6 serekthengile of a rectangle

Amaqhezu kumgcamanani
Fractions on a number line

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

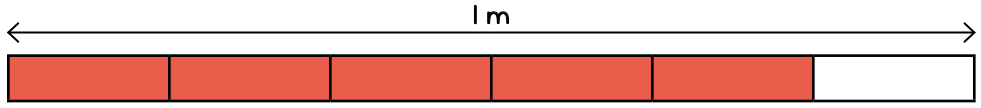
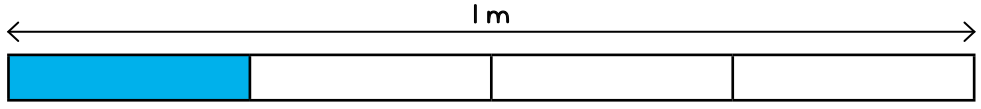
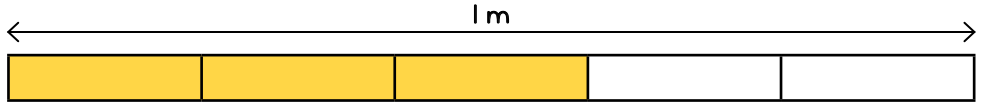
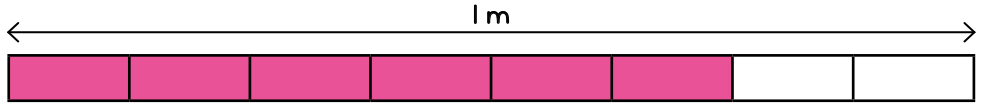
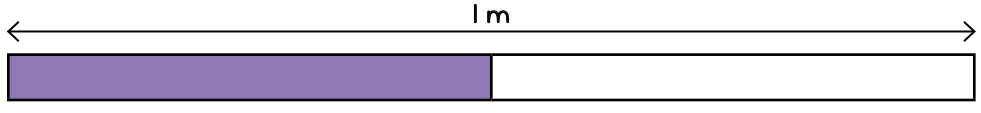
1 Fakela umbala. Bhala amaqhezu kumgcamanani.

Shade. Write the fractions on the number line.

$\frac{2}{6}$	
$\frac{4}{8}$	
$\frac{2}{4}$	
$\frac{1}{3}$	
$\frac{2}{5}$	
$\frac{6}{6}$	
$\frac{7}{8}$	
$\frac{1}{4}$	
$\frac{3}{5}$	
$\frac{3}{3}$	

2 Side kangakanani isahlulo esinombala?

What is the length of the shaded part?

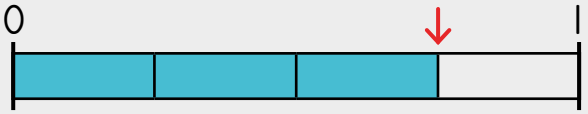
	ubude length
	$\frac{2}{3}$ m
	
	
	
	
	

3

Leliphi iqhezu elalathwa lutolo kumgcamanani?

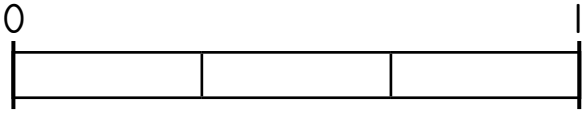
What fraction does the arrow show on the number line?

$\frac{3}{4}$



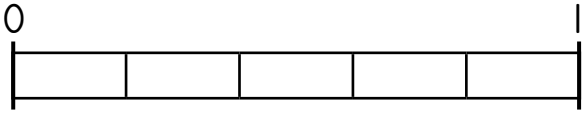
Bonisa i-$\frac{2}{3}$ kumgcamanani.

Show $\frac{2}{3}$ on the number line.



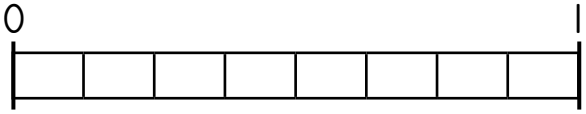
Bonisa i-$\frac{1}{5}$ kumgcamanani.

Show $\frac{1}{5}$ on the number line.



Bonisa i-$\frac{5}{8}$ kumgcamanani.

Show $\frac{5}{8}$ on the number line.

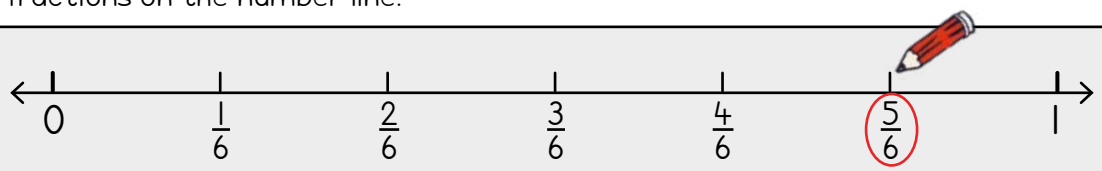
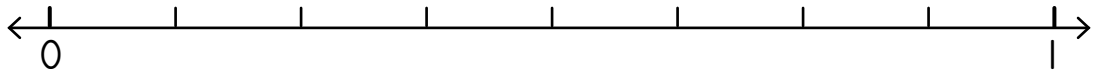
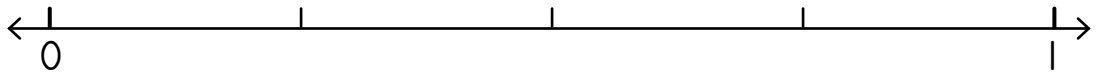
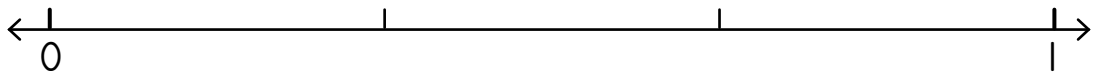
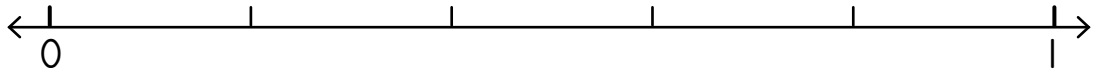
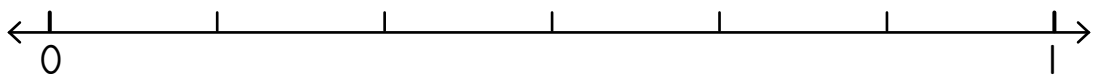
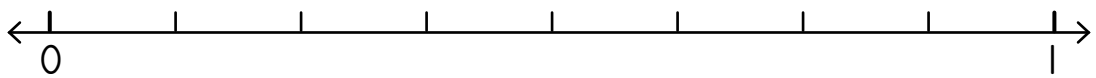
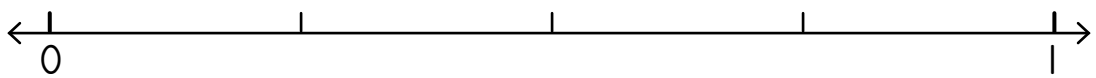
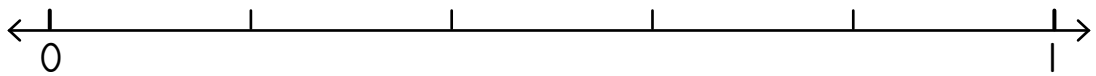
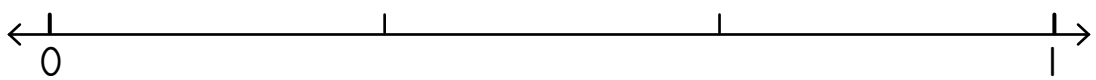


Amaqhezu kumgcamanani
Fractions on a number line

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

1 Bhala amaqhezu kumgcamanani.

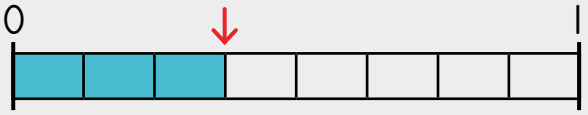
Write the fractions on the number line.

$\frac{5}{6}$	
$\frac{1}{8}$	
$\frac{3}{4}$	
$\frac{1}{3}$	
$\frac{1}{5}$	
$\frac{2}{6}$	
$\frac{5}{8}$	
$\frac{2}{4}$	
$\frac{4}{5}$	
$\frac{2}{3}$	

2 Leliphi iqhezu elalathwa lutolo kumgcamanani?

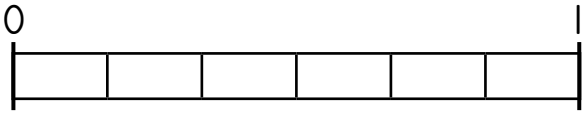
What fraction does the arrow show on the number line?

$\frac{3}{8}$



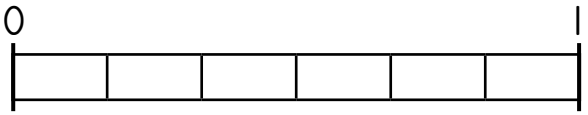
Bonisa i-$\frac{5}{6}$ kumgcamanani.

Show $\frac{5}{6}$ on the number line.



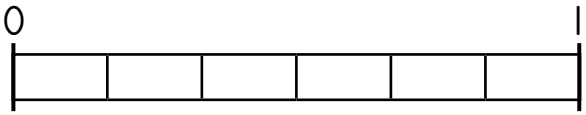
Bonisa i-$\frac{1}{6}$ kumgcamanani.

Show $\frac{1}{6}$ on the number line.



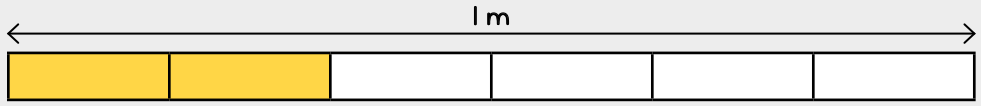
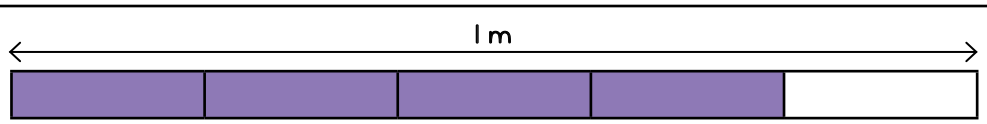
Bonisa i-$\frac{3}{6}$ kumgcamanani.

Show $\frac{3}{6}$ on the number line.



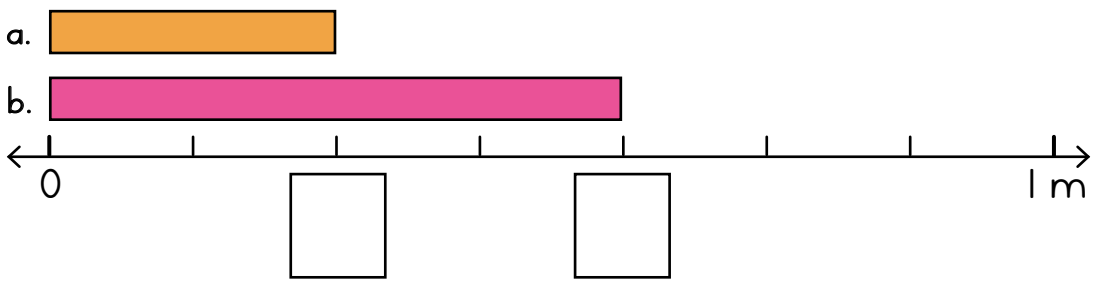
3 Side kangakanani isahlulo esinombala?

What is the length of the shaded part?

	ubude length
	$\frac{2}{6}$ m
	
	
	

4 Zinde kangakanani ezi ntsimbi? Bhala iqhezu lika-a nelika-b kumgcamanani.

How long are the bars? Write the fractions for a and b on the number line.

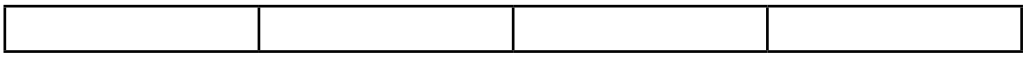


Uvavanyo noqukaniso
Assessment and consolidation

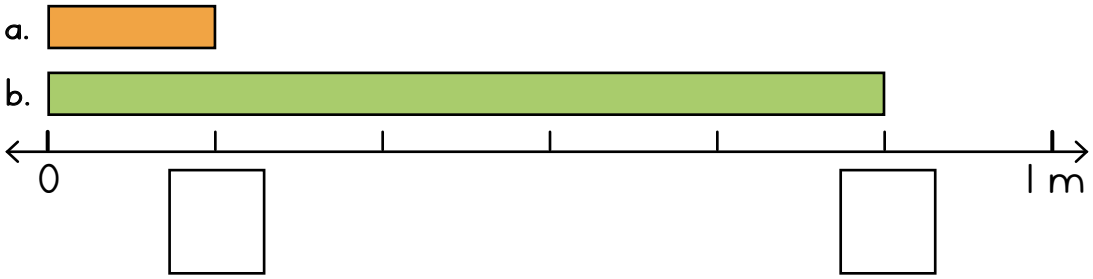
UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Fakela umbala kwi-$\frac{1}{4}$ yemilo nganye.
Colour in $\frac{1}{4}$ of each shape.

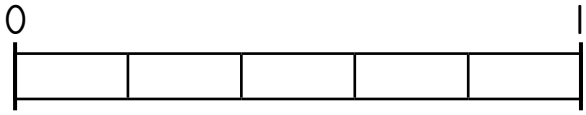
2 Fakela umbala kwizahlulo zamaqhezu ukuze zihambelane neqhezu elinikiweyo.
Shade the fraction parts to match the fraction.

$\frac{2}{4}$	
$\frac{7}{8}$	

3 Zinde kangakanani ezi ntsimbi? Bhala iqhezu lika-a nelika-b kumgcamanani.
How long are the bars? Write the fractions for a and b on the number line.



4 Bonisa i-$\frac{3}{5}$ kumgcamanani.
Show on the number line.

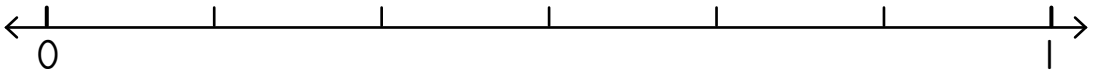
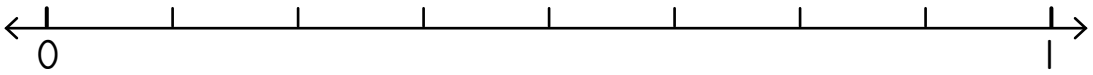
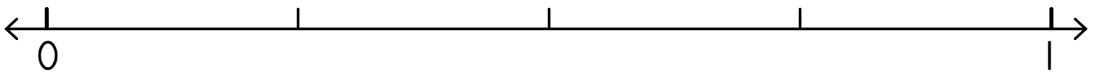
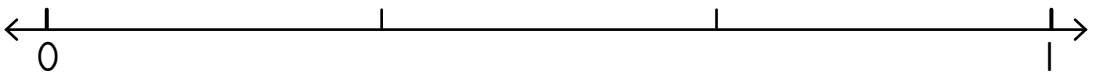
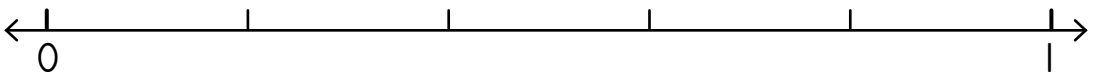
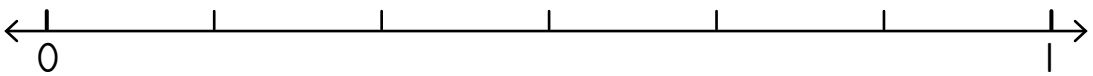
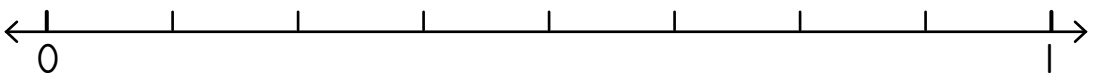
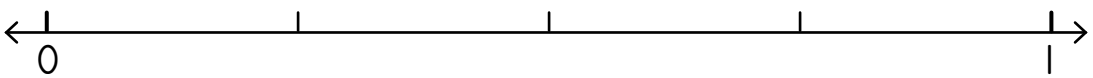


Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
izahlulo zento epheleleyo	parts of a whole
umgcamanani	number line
inde kuna-	longer than
imfutshane kuna-	shorter than

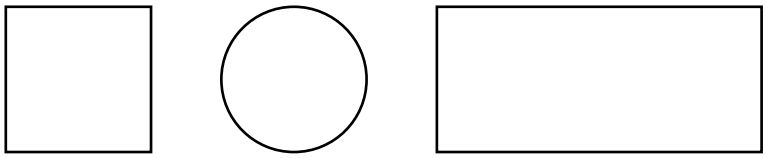
1 Bhala amaqhezu kumgcamanani.

Write the fractions on the number line.

$\frac{1}{6}$	
$\frac{5}{8}$	
$\frac{1}{4}$	
$\frac{2}{3}$	
$\frac{5}{5}$	
$\frac{3}{6}$	
$\frac{3}{8}$	
$\frac{3}{4}$	

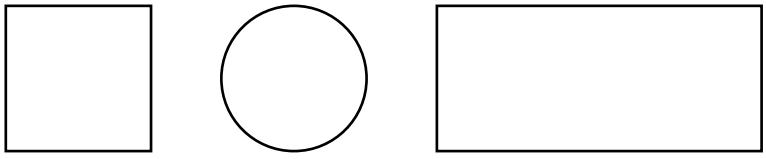
2 Fakela umbala kwi-$\frac{1}{2}$ semilo nganye.

Colour in $\frac{1}{2}$ of each shape.



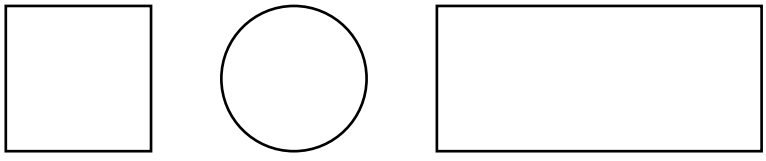
Fakela umbala kwi-$\frac{2}{4}$ yemilo nganye.

Colour in $\frac{2}{4}$ of each shape.



Fakela umbala kwi-$\frac{3}{4}$ yemilo nganye.

Colour in $\frac{3}{4}$ of each shape.

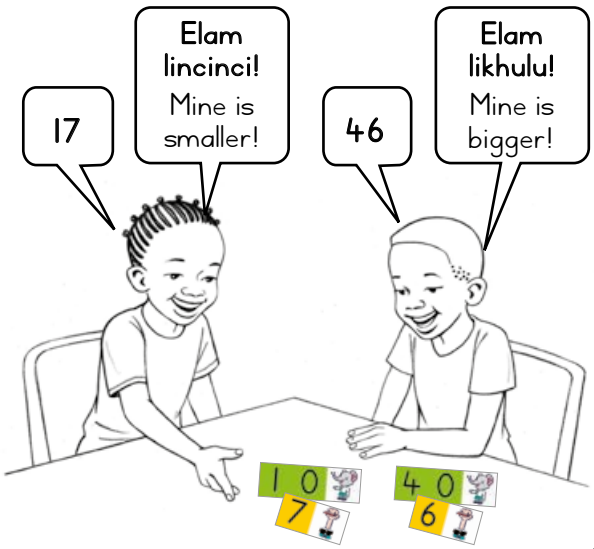


limitha
Metres

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 elincinci? Kangakanani?
  Which one is smaller? How much?
- Phinda kwakhona!
  Do it again!



1 Phawula ibhokisi ubonise ukuba ngowuphi umgca omfutshane.
Tick the box to show which line is shorter.

☐ _____

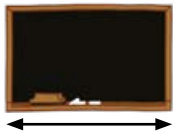
☐ _____

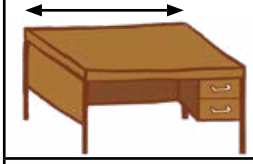
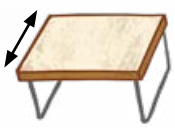
Phawula ibhokisi ubonise ukuba ngowuphi umgca omde.
Tick the box to show which line is longer.

☐ _____

☐ _____

2 Linganisela ngeeyunithi ozinikiweyo.
Measure using the given units.

	8	6	7
			
			

3 Funa izinto ezikhoyo eklasini ezi-3 ezimfutshane kune-1 m. Gqibezela sle thetybhile.

Find 3 objects in the class that are shorter than 1 m. Complete the table.

Khumbula ukuba u-m = imitha ze u-cm = sentimitha.

Remember that m = metre and cm = centimetre.

	into ekhoyo object	umlinganiselo wobude measurement of length
1		_____ cm
2		_____ cm
3		_____ cm

4 Funa izinto ezi-3 ezikhoyo eklasini ezinde kune-1 m. Gqibezela itheyibhile.

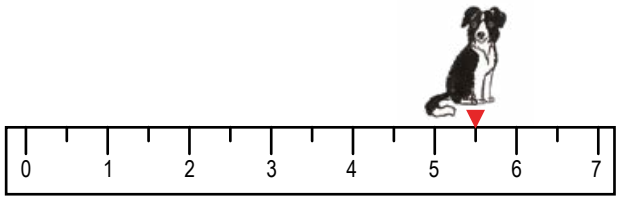
Find 3 objects in the class that are longer than 1 m. Complete the table.

	into ekhoyo object	umlinganiselo wobude measurement of length
1		_____ m
2		_____ m
3		_____ m

5 Phendula imibuzo ngeemitha.

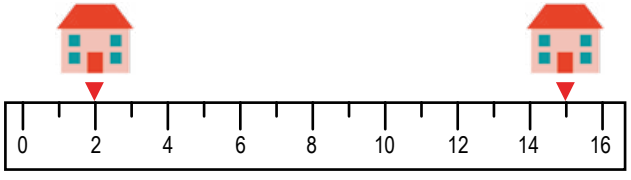
Answer the questions in metres.

Ihambe iimitha ezingaphi inja?
How many metres did the dog travel?



_____ m

Zingaphi iimitha ukusuka endlwini yam ukuya kweyakho?
How many metres from my house to your house?



_____ m

lisentimitha
Centimetres

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

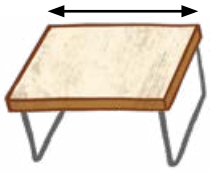
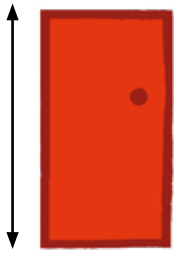
1 Krwela imigca ngerula.
Use a ruler to draw the lines.

10 cm _____

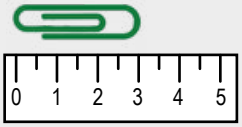
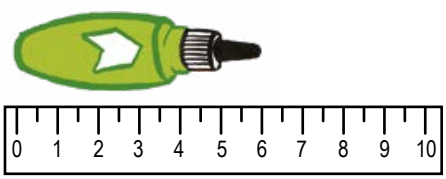
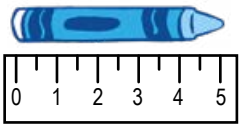
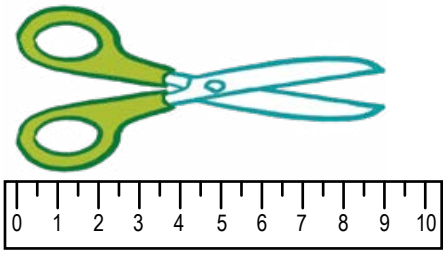
7 cm

15 cm

2 Ungazilinganisela ngeemitha okanye ngeesentimitha ezi zinto?
Would you measure these in metres or centimetres?

	cm				
					

3 Linganisela izinto zesikolo.
Measure the school items.

	3 cm		_____ cm
	_____ cm		_____ cm

4 Linganisela imigca ngerula.

Use a ruler to measure the lines.

	_____ cm		_____ cm
	_____ cm		_____ cm
	_____ cm		_____ cm

5 Funa eklasini izinto ezi-3 ezimfutshane kune-10 cm. Gqibezela itheyibhile.

Find 3 objects in the class that are shorter than 10 cm. Complete the table.

	into ekhoyo object	umlinganiselo wobude measurement of length
1		
2		
3		

6 Funa eklasini izinto ezi-3 ezinde kune-10 cm. Gqibezela itheyibhile.

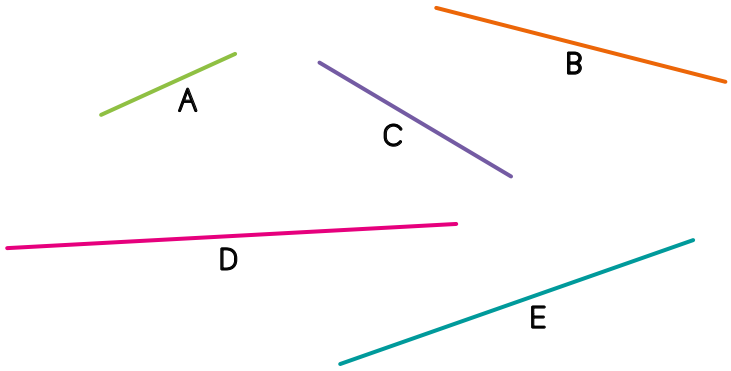
Find 3 objects in the class that are longer than 10cm. Complete the table.

	into ekhoyo object	umlinganiselo wobude measurement of length
1		
2		
3		

Uqikelelo
Estimation

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

1 Linganisela imigca.
Measure the lines.



A = ____ cm

B = ____ cm

C = ____ cm

D = ____ cm

E = ____ cm

Umgca ____ ngowona mde.

Line ____ is the longest.

Umgca ____ ngowona mfutshane.

Line ____ is the shortest.

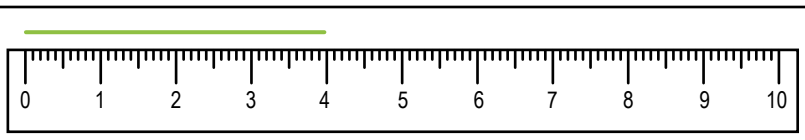
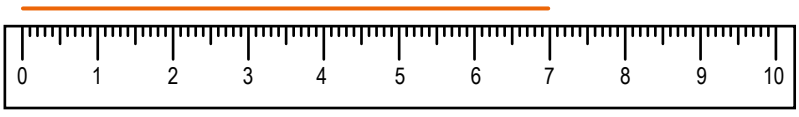
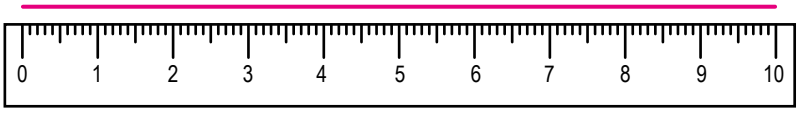
Umahluko phakathi kuka-A no-B zi____ cm.

The difference between A and B is ____ cm.

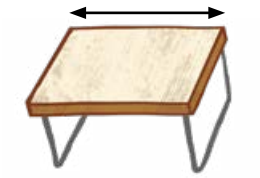
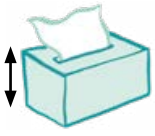
Umahluko phakathi kuka-D no-C zi____ cm.

The difference between D and C is ____ cm.

2 Buthini ubude bemigca enemibala?
What is the length of the coloured lines?

	____ cm
	____ cm
	____ cm

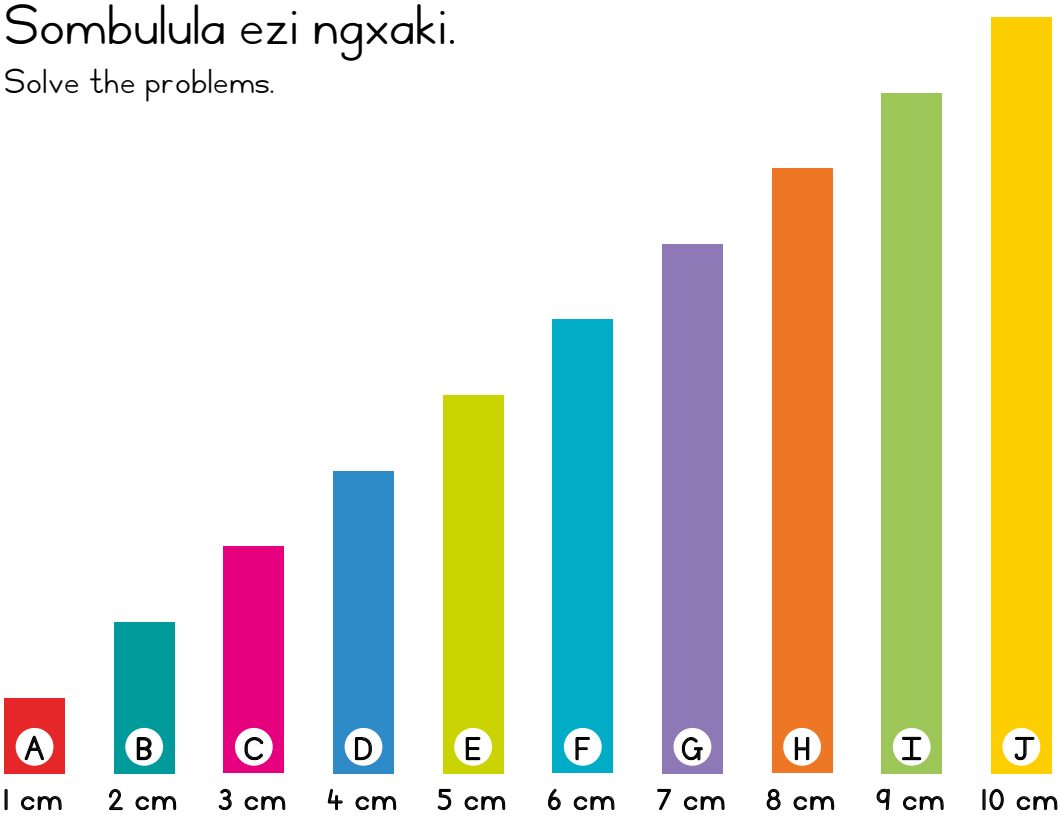
3 Qala ngokuqikela wandule ukulinganisela. Gqibezela itheyibhile.
First estimate, then measure. Complete the table.

	qikelela estimate	linganisela measure	umahluko phakathi koqikelelo nomlinganiselo difference between estimation and measurement
			
			
			
			
			
			

Ukusebenza ngeeyunithi zobude
Working with units of length

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

1 Sombulula ezi ngxaki.
Solve the problems.



A + F _____ + _____ = _____

J + D _____ + _____ = _____

E + H _____ + _____ = _____

B + I _____ + _____ = _____

F + G _____ + _____ = _____

B + E + H _____ + _____ + _____ = _____

A + F + J _____ + _____ + _____ = _____

2 Bala.
Calculate.

64 cm – 23 cm = _____	100 cm – 84 cm = _____
43 cm + 43 cm = _____	29 cm + 53 cm = _____

3 Sombulula ezi ngxaki.

Solve the problems.

UThandeka unewulu ebomvu eli-120 cm. Unewulu ezuba engama-356 cm. Ingakanani iwulu anayo iyonke?

Thandeka has 120 cm of red wool. She has 356 cm of blue wool. How much wool does she have altogether?

Zoba.

Draw.

isivakalisi manani number sentence	Isiphumo. Answer.

UBheki uphosa iibhola kude kangange-25 m. UMandla yena uphosa ibhola kude kangange-13 m. Yintoni umahluko phakathi kobude obuphosiweyo?

Bheki throws a ball 25 m. Mandla throws a ball 13 m. What is the difference in the distance thrown?

Zoba.

Draw.

isivakalisi manani number sentence	Isiphumo. Answer.

UNosipho ubaleka ngamandla umgama ongange-7 m. Ubaleka lo mgama kasi-9. Ubaleke umgama ongakanani uNosipho?

Nosipho does 7 m sprints. She sprints 9 times. How far does Nosipho sprint?

Zoba.

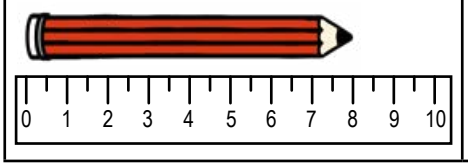
Draw.

isivakalisi manani number sentence	Isiphumo. Answer.

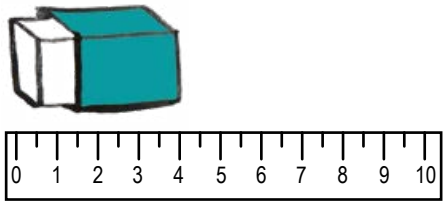
Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Linganisela izixhobo zokusebenza esikolweni.
Measure the school items.



_____ cm



_____ cm

2 Linganisela le migca.
Measure the lines.

_____ cm

_____ cm

3 UThina ubaleka umgama ongange-50 m. Lo mgama uwuphinda ka-4. Ubaleka umgama ongakanani?
Thina does 50 m sprints. She sprints 4 times. How far does she sprint?

Zoba.
Draw.

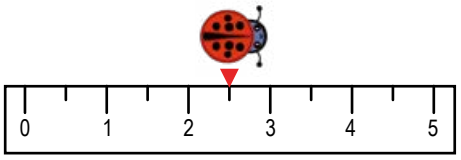
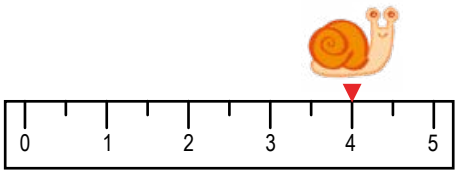
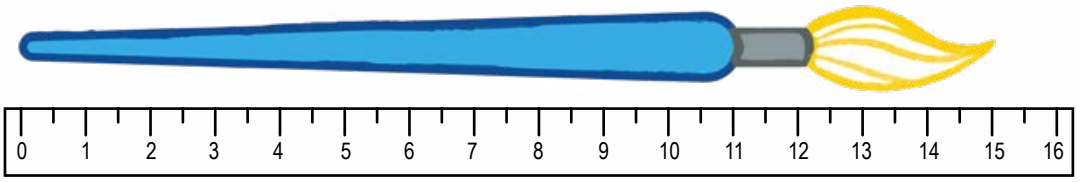
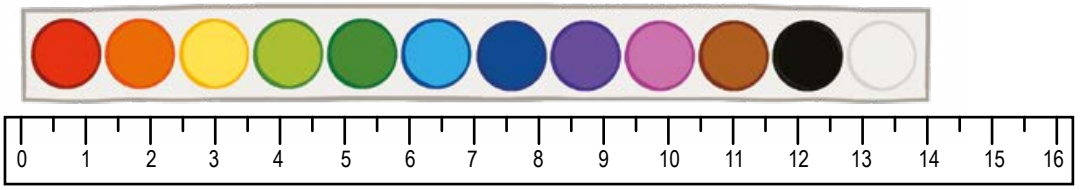
isivakalisi manani	Isiphumo.
number sentence	Answer.

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
linganisela	measure
iimitha	metres
iisentimitha	centimetres
qikelela	estimate
thelekisa	compare
umahluko	difference

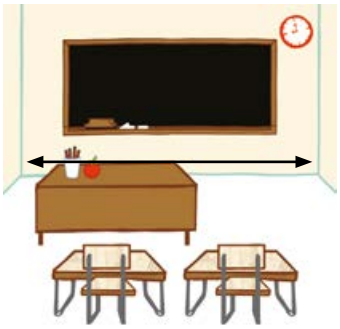
1 Phendula imibuzo.

Answer the questions.

Uhambe umgama ongakanani ubhantom? How far did the ladybird move? 	_____ m
Luhambe umgama ongakanani unwabu? How far did the snail move? 	_____ m
Inde kangakanani ibrashi yokupeyinta? How long is the paintbrush? 	_____ cm
Inde kangakanani ibhokisi yeepenyinti? How long is the paint box? 	_____ cm

2 Gqibezela itheyibhile.

Complete the table.

	qikelela estimate	linganisela measure	umahluko phakathi koqikelelo nomlinganiselo difference between estimation and measurement
			
			

Ukuthelekisa amaqhezu
Comparing fractions

IZIBALO ZENTLOKO
MENTAL MATHS

LINGAPHANTSI KUNA
LESS THAN

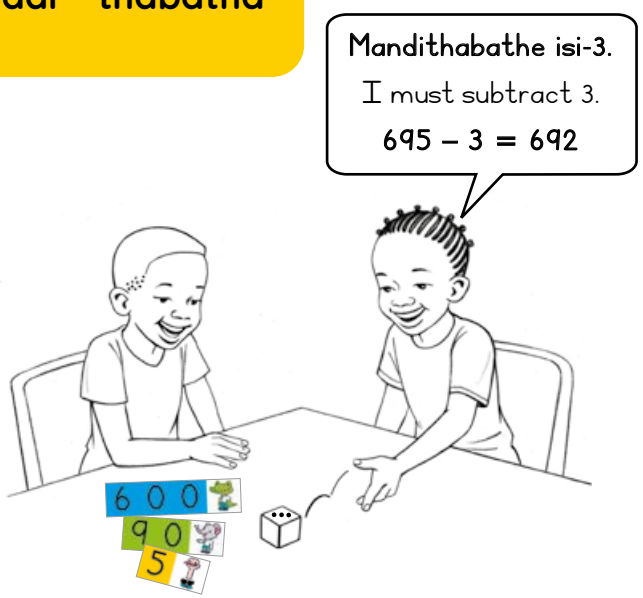
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

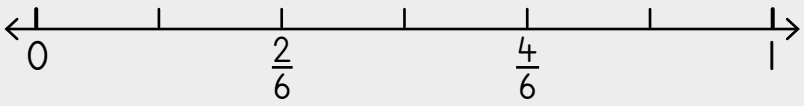
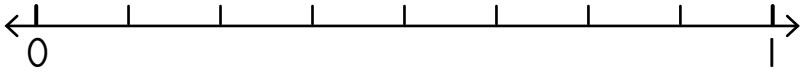
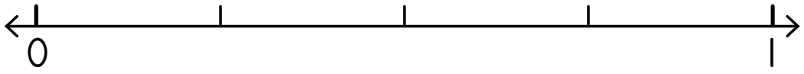
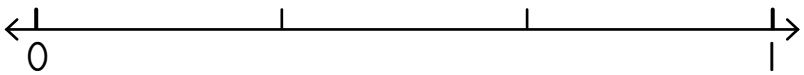
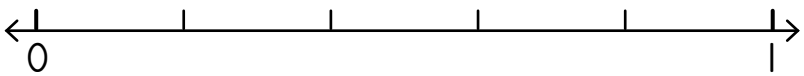
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

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

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

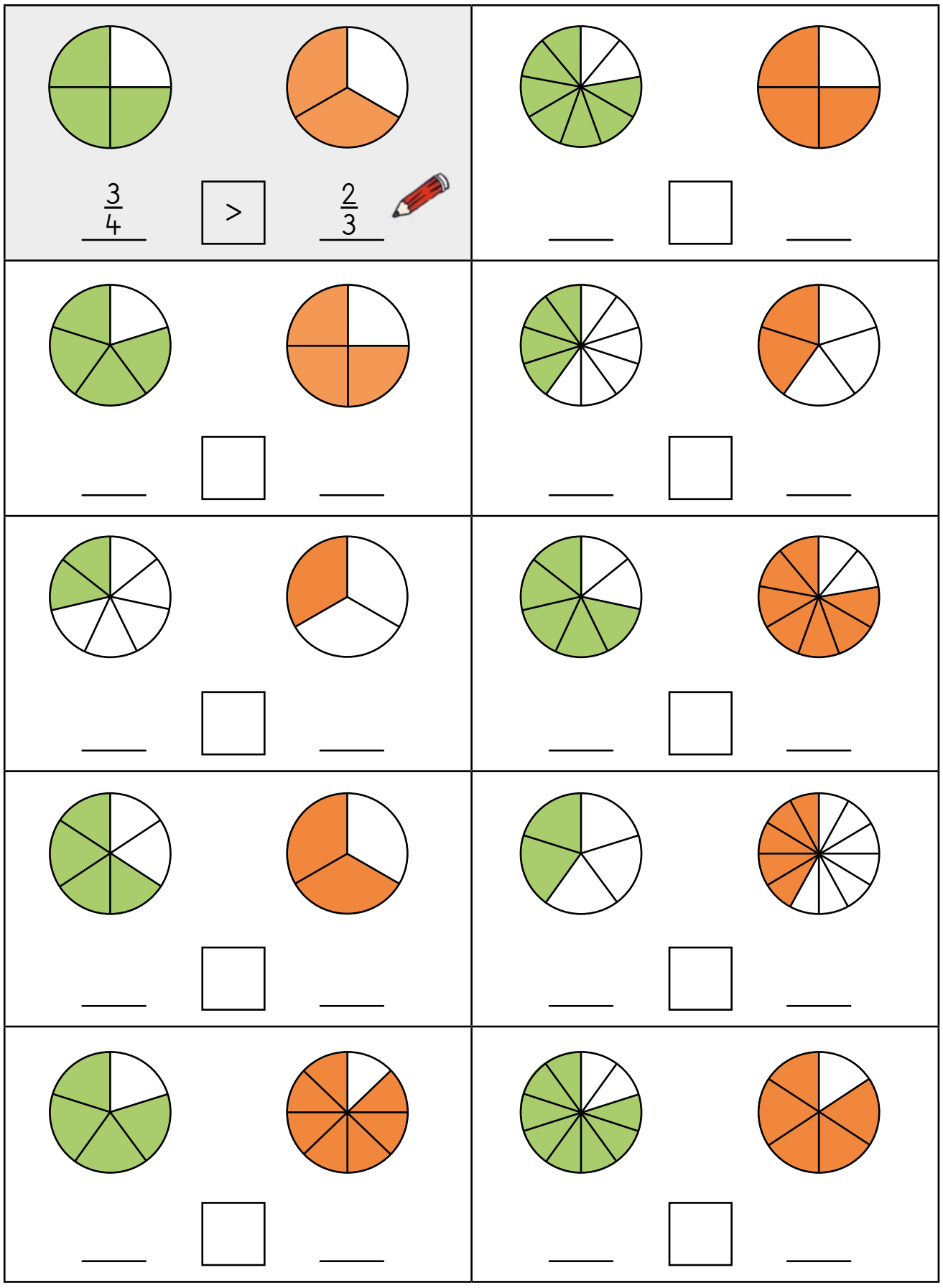


1

	Leyibhelisha amaqhezu kumgcamanani. Label the fractions on the number line.	Leliphi iqhezu elikhulu? Which fraction is bigger?
$\frac{2}{6}$ ne-$\frac{4}{6}$ and		$\frac{4}{6}$
$\frac{1}{8}$ ne-$\frac{4}{8}$ and		
$\frac{2}{4}$ ne-$\frac{3}{4}$ and		
$\frac{1}{3}$ ne-$\frac{3}{3}$ and		
$\frac{2}{5}$ ne-$\frac{4}{5}$ and		

2 Bhala amaqhezu uze uwathelekise ngokusebenzisa iimpawu >, < okanye =.

Write the fractions and use >, < or = to compare them.

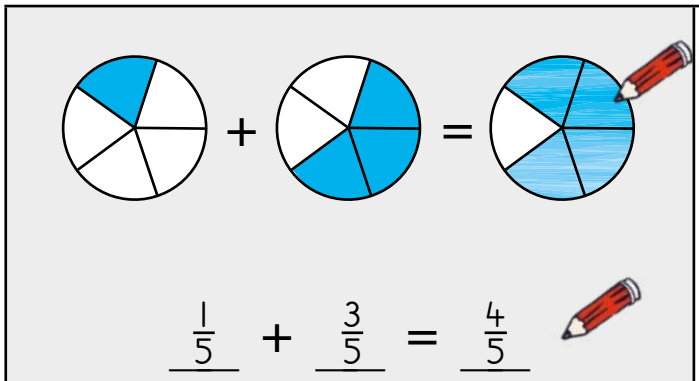


Ukudibanisa amaqhezu
Adding fractions

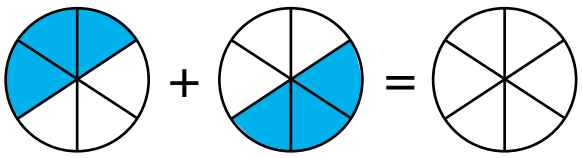
IZIBALO ZENTLOKO (MENTAL MATHS) | LINGAPHANTSI KUNA (LESS THAN) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

1 Dibanisa. Fakela umbala kwisiphumo. Bhala iqhezu.

Add. Colour the answer. Write the fractions.



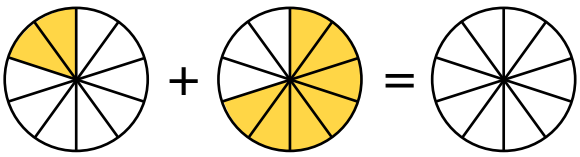
$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$



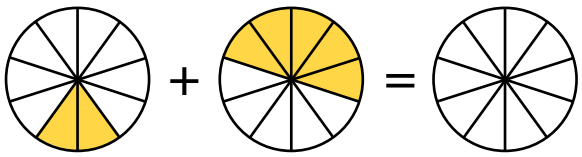
___ + ___ = ___

___ + ___ = ___

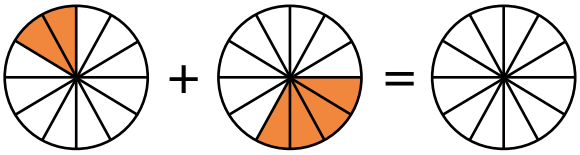
___ + ___ = ___



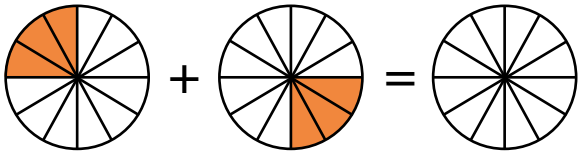
___ + ___ = ___



___ + ___ = ___



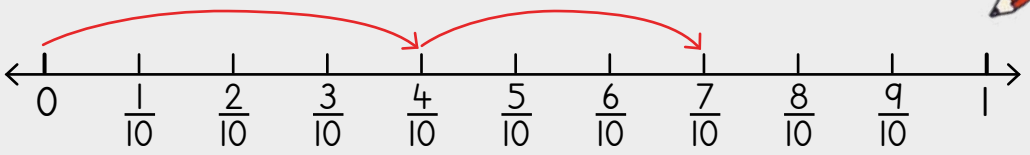
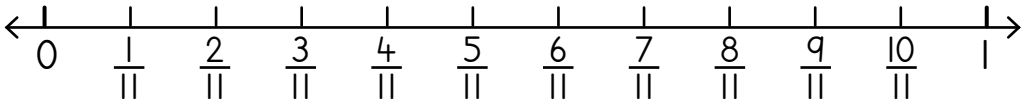
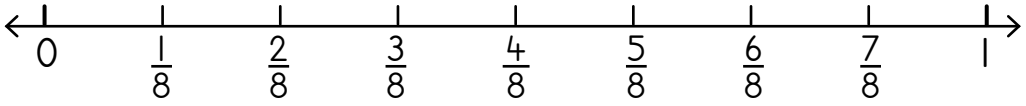
___ + ___ = ___



___ + ___ = ___

2 Dibanisa amaqhezu. Bonisa imitsi kumgcamanani.

Add the fractions. Show the jumps on the number line.

$\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$	
$\frac{3}{11} + \frac{7}{11} =$ —	
$\frac{1}{8} + \frac{6}{8} =$ —	

3 Sombulula iingxaki.

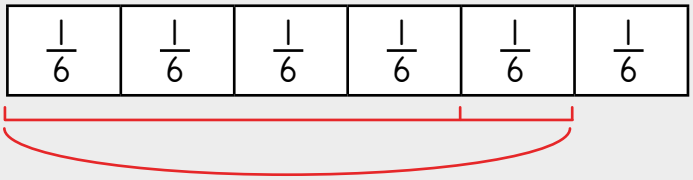
Solve the problems.

Kukho iribhoni ebomvu eyi-$\frac{4}{6}$ m. Kukho $\frac{1}{6}$ yeribhoni ezuba. Zingaphi iimitha zeribhoni ekhoyo zizonke?

There is a $\frac{4}{6}$ m of red ribbon. There is a $\frac{1}{6}$ m of blue ribbon. How many metres of ribbon is there altogether?

Zoba.

Draw.



isivakalisi manani number sentence	$\frac{4}{6}$ m + $\frac{1}{6}$ m = $\frac{5}{6}$ m

UMusa uphosa ibhola kangange-$\frac{2}{5}$ m. Ibhola iqengqeleka umgama ongange-$\frac{1}{5}$ m ngaphezulu. Iqengqeleke umgama ongakanani ibhola?

Musa throws a ball $\frac{2}{5}$ m. The ball rolls $\frac{1}{5}$ m more. How far did the ball move altogether?

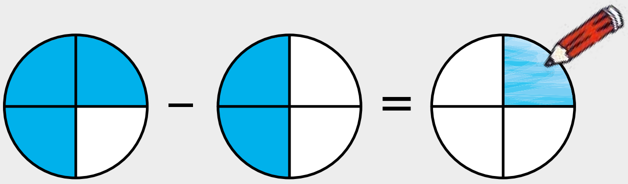
Yenza umgcamanani. Draw the number line.	
isivakalisi manani number sentence	

Ukuthabatha amaqhezu
Subtracting fractions

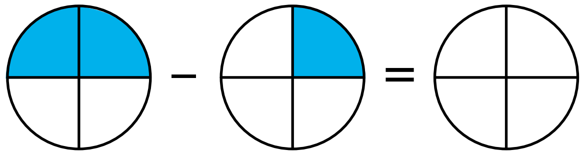
IZIBALO ZENTLOKO / MENTAL MATHS: LINGAPHANTSI KUNA / LESS THAN → UMDLALO / GAME → UPHUHLISO LWENGQIQO / CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA / WORKSHEETS

1 Thabatha. Fakela umbala kwisiphumo. Bhala iqhezu.

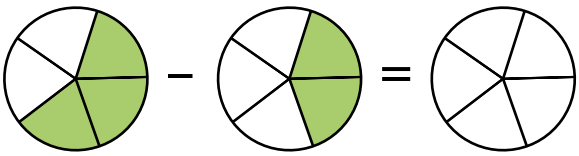
Subtract. Colour the answer. Write the fractions.



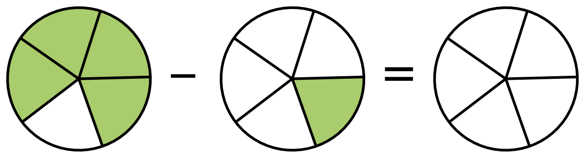
$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$



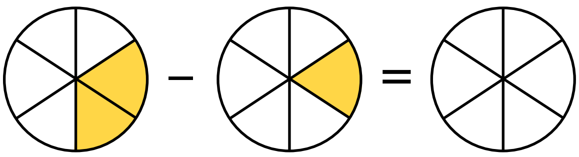
____ – ____ = ____



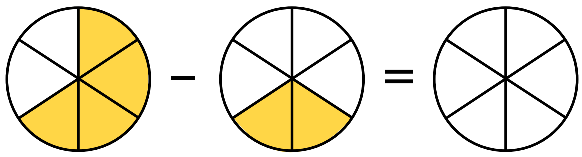
____ – ____ = ____



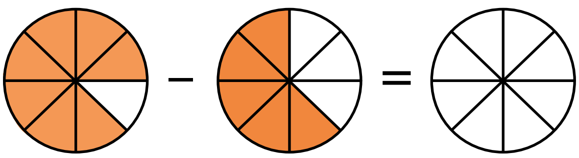
____ – ____ = ____



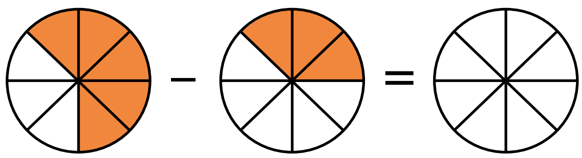
____ – ____ = ____



____ – ____ = ____



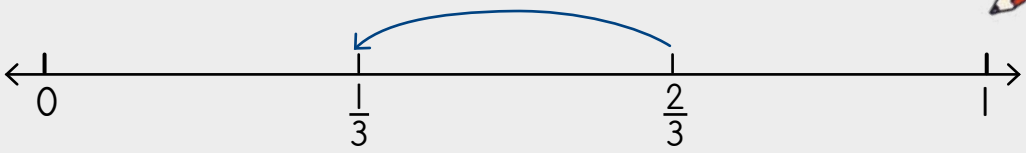
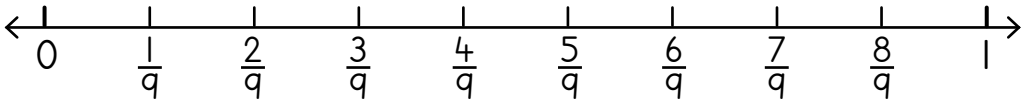
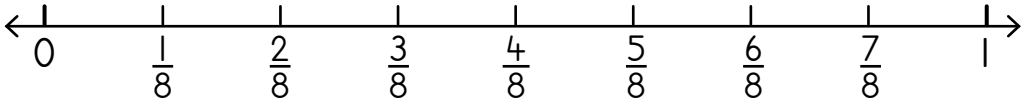
____ – ____ = ____



____ – ____ = ____

2 Thabatha amaqhezu. Bonisa imitsi kumgcamanani.

Subtract the fractions. Show the jumps on the number line.

$\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$	
$\frac{6}{9} - \frac{5}{9} =$ —	
$\frac{4}{8} - \frac{2}{8} =$ —	

3 Sombulula ezi ngxaki.

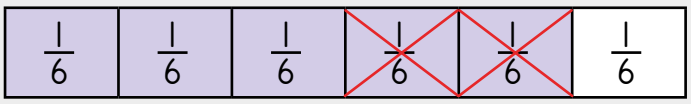
Solve the problems.

Umama unelaphu elinobude obungange-$\frac{5}{6}$ m. Usike kulo isiziba esingange-$\frac{2}{6}$. Liziimitha ezingakanani ilaphu elishiyekileyo?

Mom has a $\frac{5}{6}$ m length of fabric. She cuts a $\frac{2}{6}$ m length off it. How many metres of fabric is left over?

Zoba.

Draw.



isivakalisi manani number sentence	$\frac{5}{6}$ m − $\frac{2}{6}$ m = $\frac{3}{6}$ m

UPhinda ukrwela umgca omde kangange-$\frac{7}{10}$ m. Akugqiba ucima i-$\frac{4}{10}$ yalo mgca. Mde kangakanani ngoku umgca wakhe?

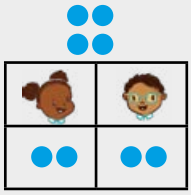
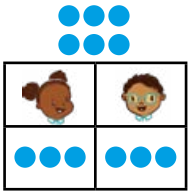
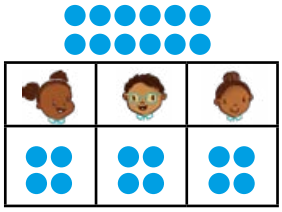
Phinda draws a line that is $\frac{7}{10}$ m long. She then erases $\frac{4}{10}$ m of the line. How long is the line now?

Yenza umgcamanani. Draw the number line.	
isivakalisi manani number sentence	

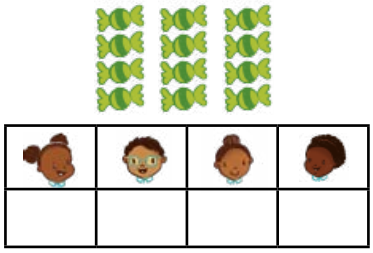
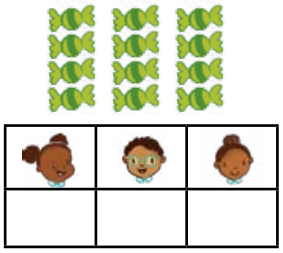
Amaqhezu engqokelela
Fractions of a collection

IZIBALO ZENTLOKO (MENTAL MATHS) | LINGAPHANTSI KUNA (LESS THAN) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

1 Sombulula ezi ngxaki.
Solve these problems.

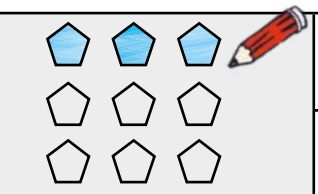
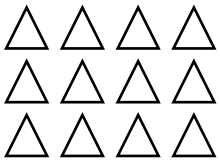
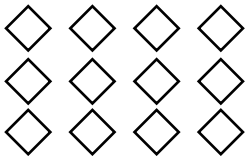
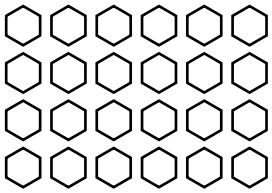
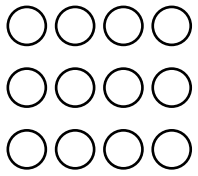
		
amaqela a-2 2 groups izibalisi ezi-2 emnye 2 counters each 4 ÷ 2 = 2	amaqela a-____ ____ groups izibalisi ezi-____ emnye ____ counters each ____ ÷ ____ = ____	amaqela a-____ ____ groups izibalisi ezi-____ emnye ____ counters each ____ ÷ ____ = ____

2 Sombulula ezi ngxaki.
Solve these problems.

	
ikota e-1 yeelekese = 3 1 quarter of the sweets = 3 iikota ezi-2 zeelekese = ____ 2 quarters of the sweets = ____ iikota ezi-3 zeelekese = ____ 3 quarters of the sweets = ____ iikota ezi-4 zeelekese = ____ 4 quarters of the sweets = ____	i-1 esithathwini seelekese = ____ 1 third of the sweets = ____ isi-2 esithathwini seelekese = ____ 2 thirds of the sweets = ____ isi-3 esithathwini seelekese = ____ 3 thirds of the sweets = ____

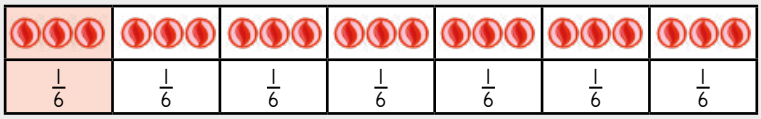
3 Fakela umbala kwiimilo ubonise amaqhezu.

Colour the shapes to show the fractions.

$\frac{1}{3}$ 	$\frac{3}{4}$ 	$\frac{1}{2}$ 
$\frac{1}{4}$ 	$\frac{2}{3}$ 	$\frac{1}{3}$ 

4 Sombulula ezi ngxaki.

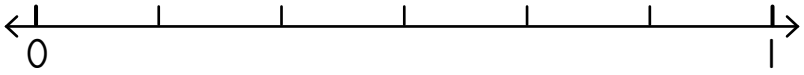
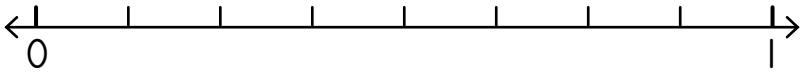
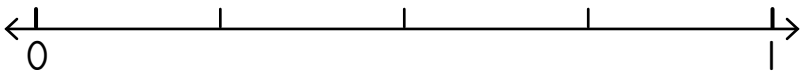
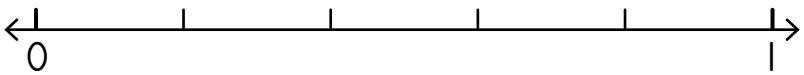
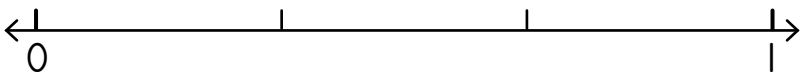
Solve the problems.

UNomsa unamapetyu ali-18. Uthatha i-$\frac{1}{6}$ yawo aye nayo esikolweni. Mangaphi amapetyu awathathileyo? Nomsa has 18 marbles. She takes $\frac{1}{6}$ of her marbles to school. How many marbles does she take?	
Zoba. Draw.	
Isivakalisi manani sokufumana i-$\frac{1}{6}$ ye-18. Number sentence to find $\frac{1}{6}$ of 18.	$18 \div 6 = 3$
Isiphumo. Answer.	UNomsa umke namapetyu ama-3 ukuya esikolweni. Nomsa took 3 marbles to school.

UNtando uneelekese ezingama-28. Upha umhlobo wakhe i-$\frac{2}{7}$. Zingaphi iilekese aphise ngazo? Ntando has 28 sweets. He gives $\frac{2}{7}$ of his sweets to a friend. How many sweets does he give away?	
Zoba. Draw.	
Isivakalisi manani sokufumana i-$\frac{2}{7}$ yama-28. Number sentence to find $\frac{2}{7}$ of 28.	
Isiphumo. Answer.	

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

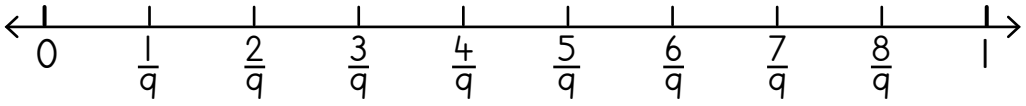
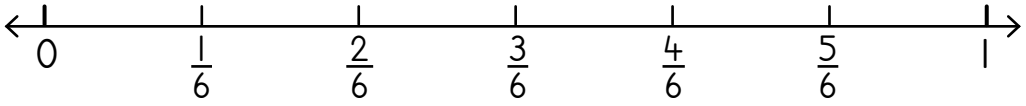
	Leyibhelisha amaqhezu kumgcamanani. Label the fractions on the number line.	Leliphi iqhezu elikhulu? Which fraction is bigger?
$\frac{2}{6}$ ne-$\frac{6}{6}$ and		
$\frac{5}{8}$ ne-$\frac{7}{8}$ and		
$\frac{1}{4}$ ne-$\frac{3}{4}$ and		
$\frac{3}{5}$ ne-$\frac{4}{5}$ and		
$\frac{2}{3}$ ne-$\frac{3}{3}$ and		

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
Leliphi iqhezu elikhulu?	Which fraction is bigger?
Leliphi iqhezu elincinci?	Which fraction is smaller?
Dibanisa amaqhezu.	Add the fractions.
thabatha	subtract
i-$\frac{1}{6}$ ye-18	$\frac{1}{6}$ of 18

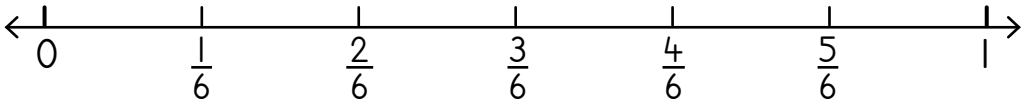
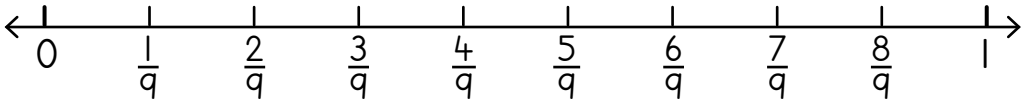
1 Dibanisa amaqhezu. Bonisa imitsi kumgcamanani.

Add the fractions. Show the jumps on the number line.

$\frac{2}{9} + \frac{4}{9} =$ —	
$\frac{5}{6} + \frac{1}{6} =$ —	

2 Thabatha amaqhezu. Bonisa imitsi kumgcamanani.

Subtract the fractions. Show the jumps on the number line.

$\frac{4}{6} - \frac{2}{6} =$ —	
$\frac{8}{9} - \frac{4}{9} =$ —	

3 Sombulula le ngxaki.

Solve the problem.

UThandi uneebhola ezingama-32. Upha umnakwabo i-$\frac{3}{8}$ yazo. Zingaphi iibhola aziphe umnakwabo?

Thandi has 32 balls. She gives $\frac{3}{8}$ of them to her brother. How many balls does she give him?

Zoba.

Draw.

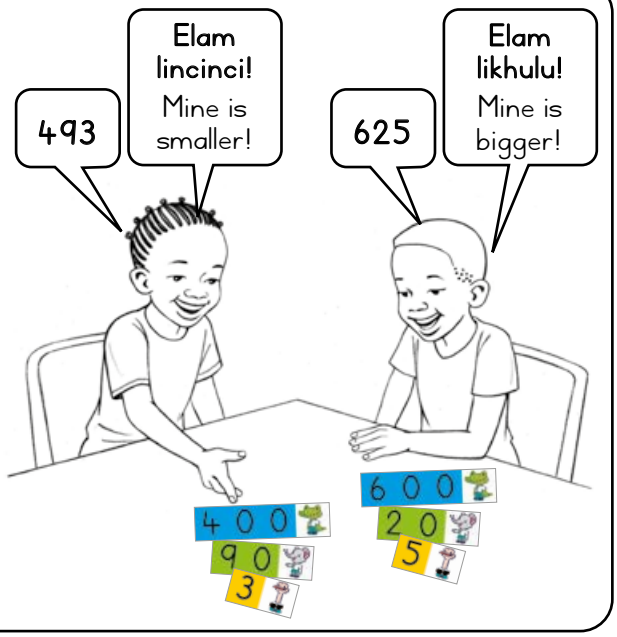
Isivakalisi manani sokufumana i-$\frac{3}{8}$ yama-32. Number sentence to find $\frac{3}{8}$ of 32.	
Isiphumo. Answer.	

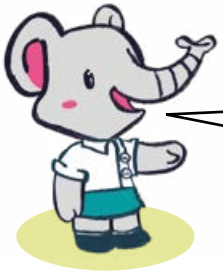
Umjikelezo
Perimeter

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 elikhulu?
  What number? Which one is bigger?
- Leliphi elincinci? Kangakanani?
  Which one is smaller? How much?
- Phinda kwakhona!
  Do it again!

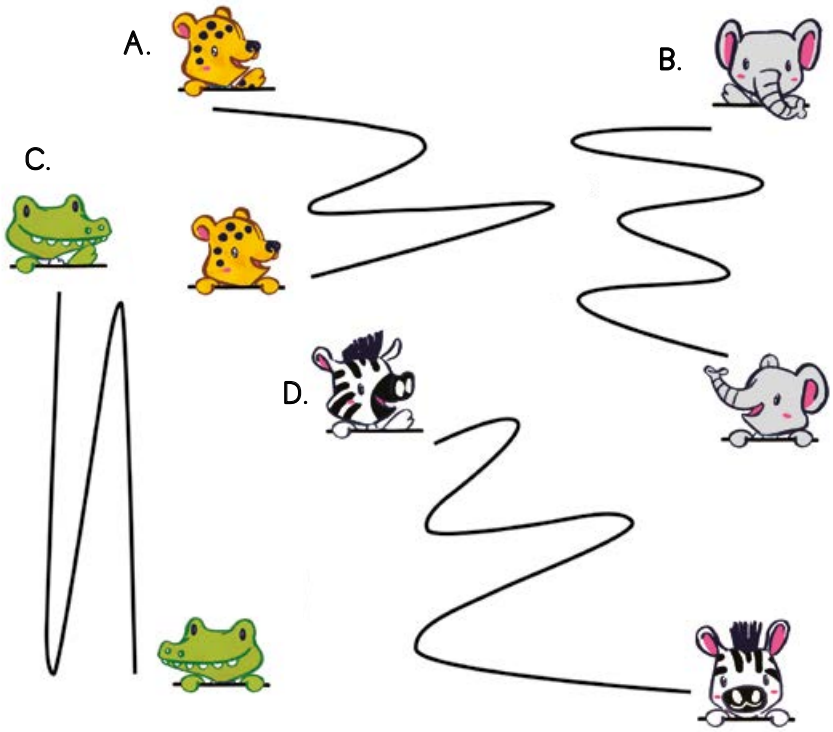




Umjikelezo ngumlinganiselo womgama ojikeleze imilo. Singasebenzisa isijungqe somtya usincede sifumane umjikelezo wemilo.

Perimeter is the measurement of the distance around a shape. We can use a piece of string to help us work out the perimeter of a shape.

1 Linganisela le migca ngomtya. Linganisela umtya uze ubhale ubude ngeesentimitha.
Use string to measure the lines. Measure the string and write the length in centimetres.



A = ____ cm

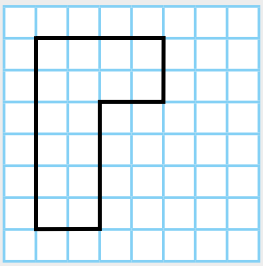
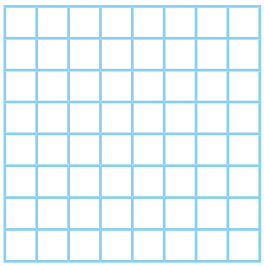
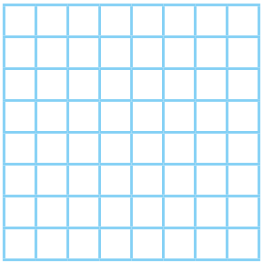
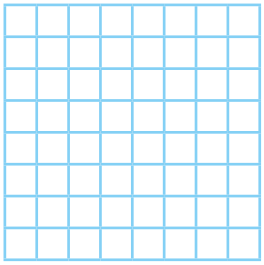
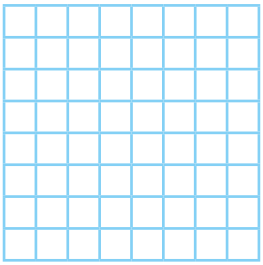
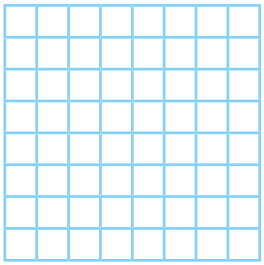
B = ____ cm

C = ____ cm

D = ____ cm

2 Zoba iimilo kwiigridi. Uyintoni umjikelezo wale milo?

Draw shapes on the grids. What is the perimeter of the shape?

 umjikelezo = izikwere ezi-20 perimeter = 20 squares	 umjikelezo = izikwere ezi-____ perimeter = _____ squares
 umjikelezo = izikwere ezi-____ perimeter = _____ squares	 umjikelezo = izikwere ezi-____ perimeter = _____ squares
 umjikelezo = izikwere ezi-____ perimeter = _____ squares	 umjikelezo = izikwere ezi-____ perimeter = _____ squares

3 Linganisela umjikelezo ngomtya. Linganisela ubude bomtya ngeesentimitha.

Use string to measure the perimeter. Measure the length of the string in centimetres.

 umjikelezo = 102 cm perimeter = 102 cm	 umjikelezo = ____ cm perimeter = _____ cm	 umjikelezo = ____ cm perimeter = _____ cm	 umjikelezo = ____ cm perimeter = _____ cm

Umjikelezo
Perimeter

IZIBALO ZENTLOKO
MENTAL MATHS
FIZZ POP – PHINDA KABINI
FIZZ POP – DOUBLE
→ UMDLALO
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CONCEPT DEVELOPMENT
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WORKSHEETS

1 Linganisela amacala eemilo uze ubale umjikelezo.
Measure the sides of the shapes and calculate the perimeter.

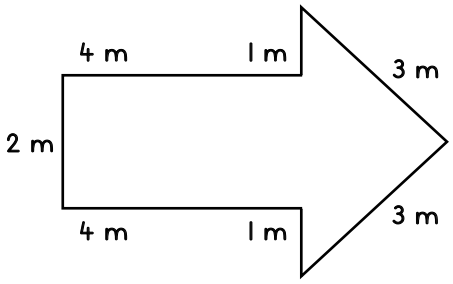
	igama lemilo name of shape	
	umjikelezo perimeter	

	igama lemilo name of shape	
	umjikelezo perimeter	

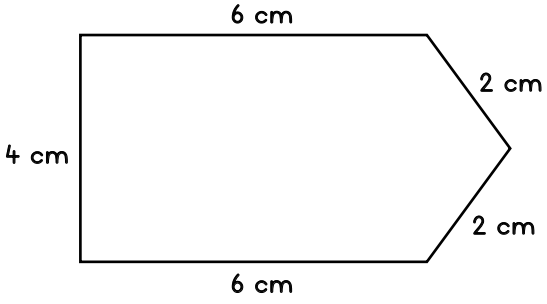
	igama lemilo name of shape	
	umjikelezo perimeter	

	igama lemilo name of shape	
	umjikelezo perimeter	

2 Bala umjikelezo wezi milo zilandelayo.
Calculate the perimeter of the following shapes.



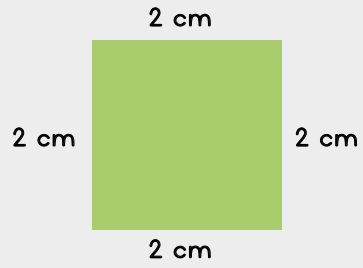
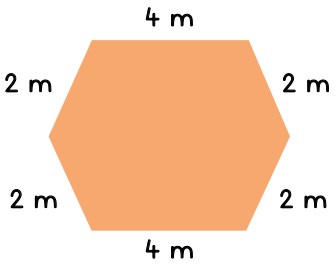
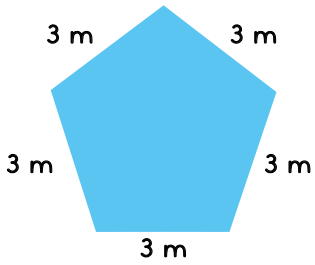
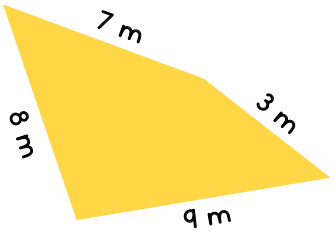
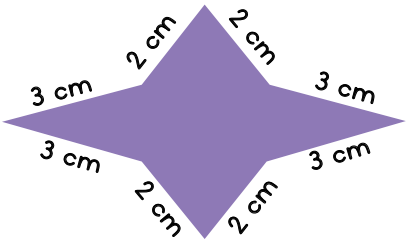
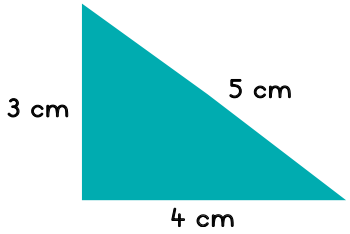
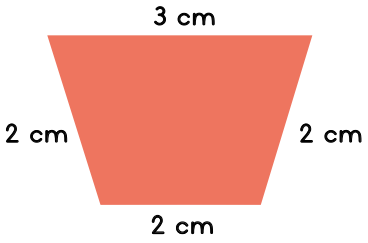
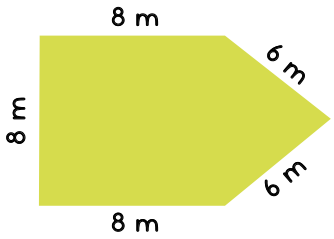
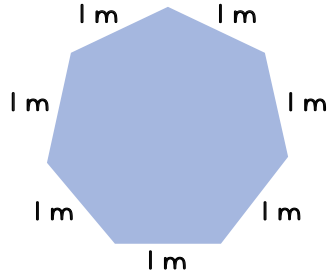
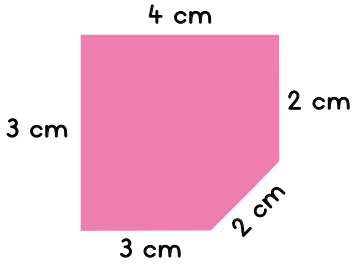
umjikelezo
perimeter



umjikelezo
perimeter

3 Bala umjikelezo.

Calculate the perimeter.

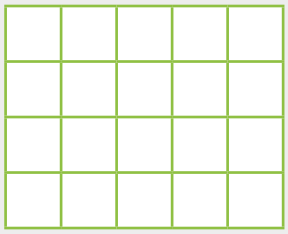
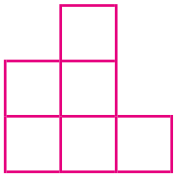
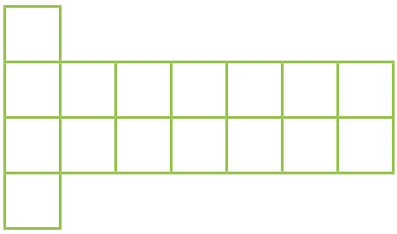
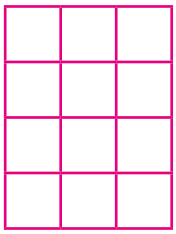
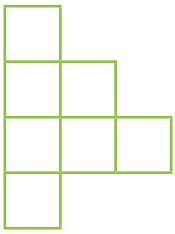
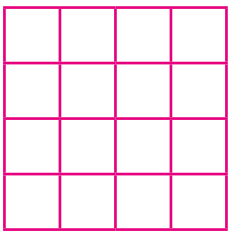
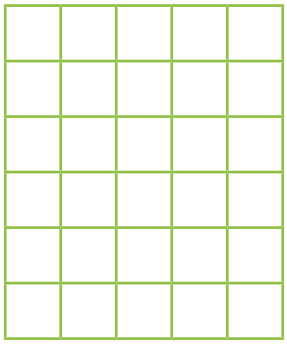
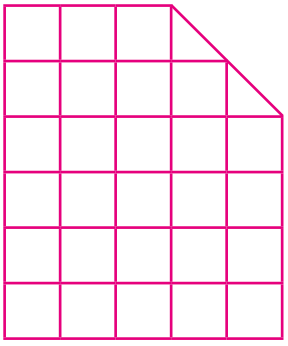
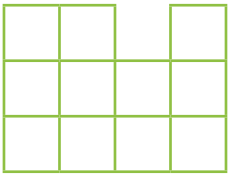
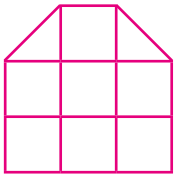
	8 cm		____ m
	____ m		____ m
	____ cm		____ cm
	____ cm		____ m
	____ m		____ cm

Ieriya
Area

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

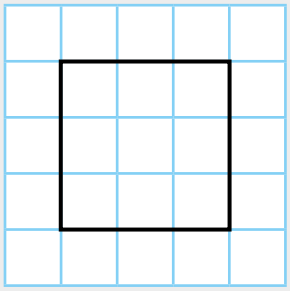
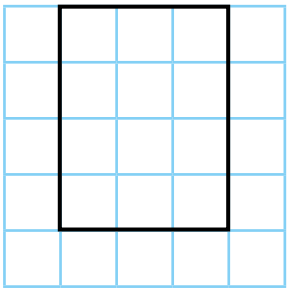
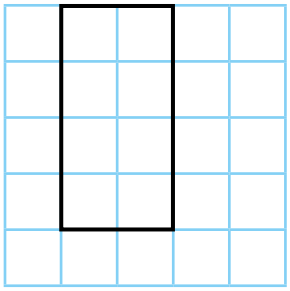
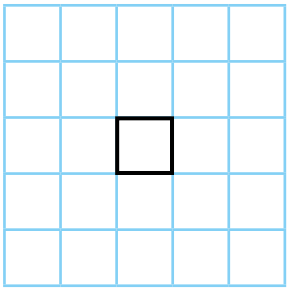
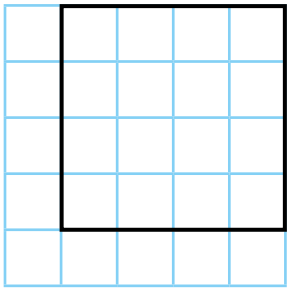
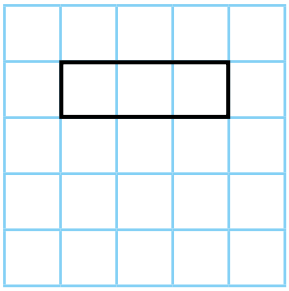
1 Ingakanani ieriya yezi milo?
What is the area of these shapes?

Umlinganiselo womphezulu ubizwa ngokuba yieriya. Siyilinganisela ngezikwere.
The measurement of a surface is called the area. We can measure it in squares.

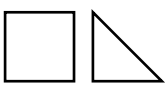
	izikwere squares		izikwere squares
	20 		
			
			
			
			

2 Ingakanani ieriya yezi milo?

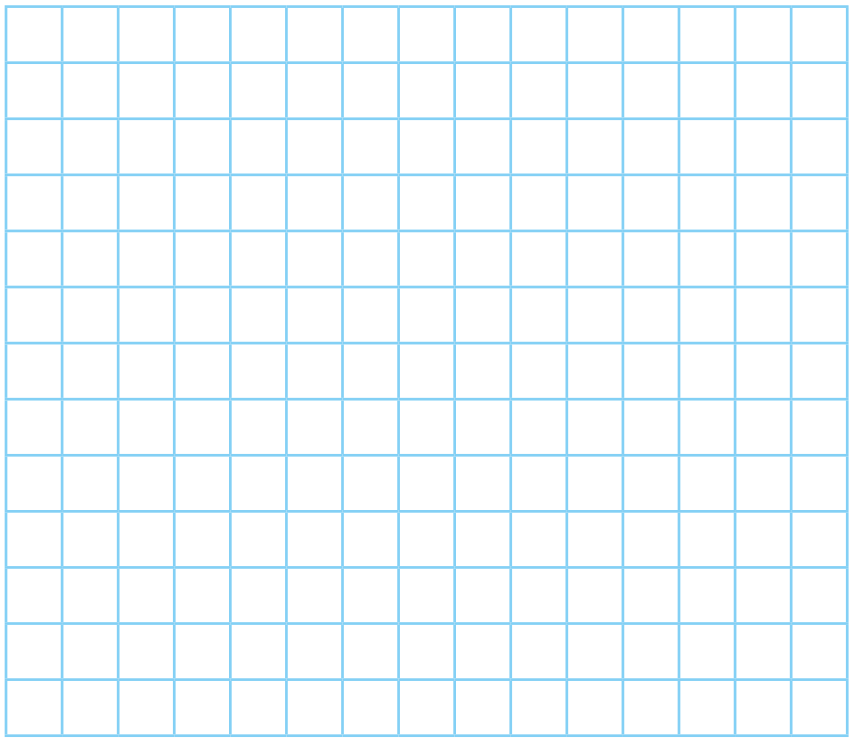
What is the area of these shapes?

	izikwere squares		izikwere squares
	q 		
			
			

3 Sebenzisa izikwere neziqingatha zezikwere ukuze uzobe iimilo ezintathu kwiphepha legridi. Imilo nganye kufuneka ibe nezikwere ezili-12.



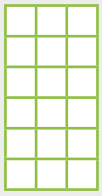
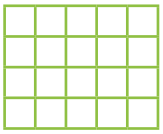
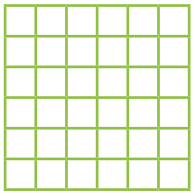
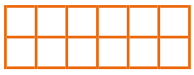
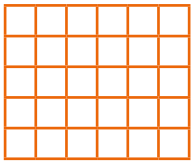
Use squares and half squares to draw three shapes on the grid paper. Each shape should have an area of 12 squares.



Ieriya
Area

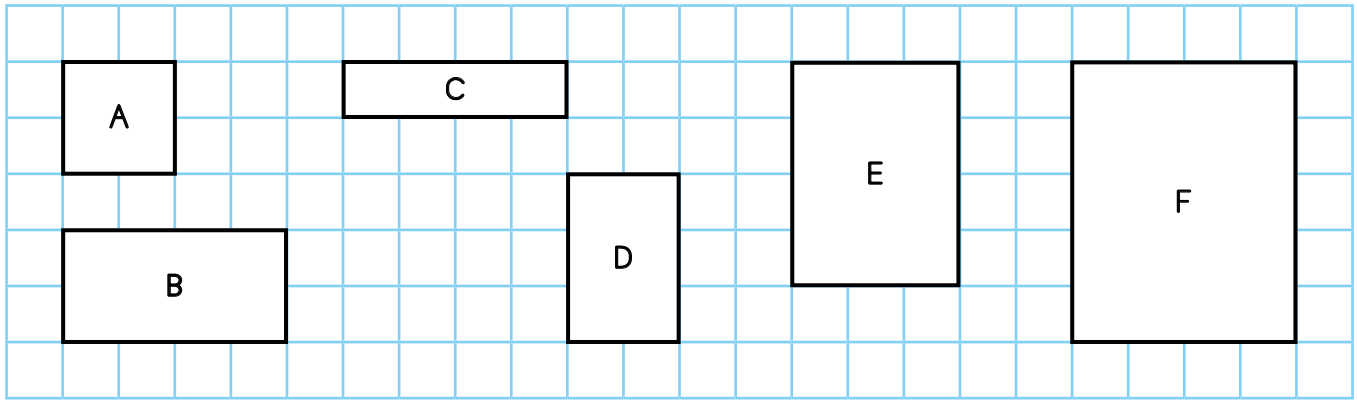
IZIBALO ZENTLOKO
MENTAL MATHS
FIZZ POP – PHINDA KABINI
FIZZ POP – DOUBLE
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Fumana ieriya.
Work out the area.

 3 x 6 = 18 ieriya = izikwere ezi-18 area = 18 squares	 ___ x ___ = ___ ieriya = izikwere ezi-____ area = _____ squares	 ___ x ___ = ___ ieriya = izikwere ezi-____ area = _____ squares
 ___ x ___ = ___ ieriya = izikwere ezi-____ area = _____ squares	 ___ x ___ = ___ ieriya = izikwere ezi-____ area = _____ squares	 ___ x ___ = ___ ieriya = izikwere ezi-____ area = _____ squares

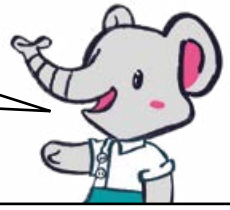
2 Fumana ieriya yezi rekthengile ngokusebenzisa igridi.
Work out the area of the rectangles using the grid.

A = izikwere ezi-4 A = 4 squares	B = izikwere ezi-____ B = _____ squares	C = izikwere ezi-____ C = _____ squares
D = izikwere ezi-____ D = _____ squares	E = izikwere ezi-____ E = _____ squares	F = izikwere ezi-____ F = _____ squares

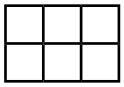
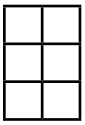


UThami ugangatha isitiya sakhe.
Uneethayile ezi-6. Jonga indlela azibeka ngayo.

Thami is paving her garden. She has 6 tiles.
Look at how she can lay them out.



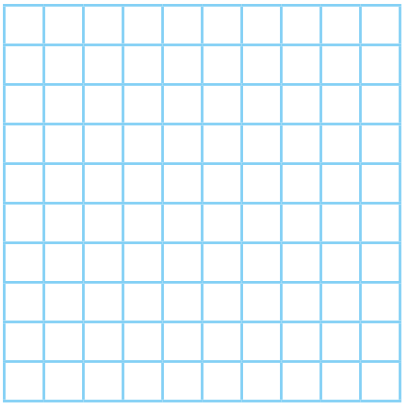
3

 6 x 1 = 6	 3 x 2 = 6	 2 x 3 = 6

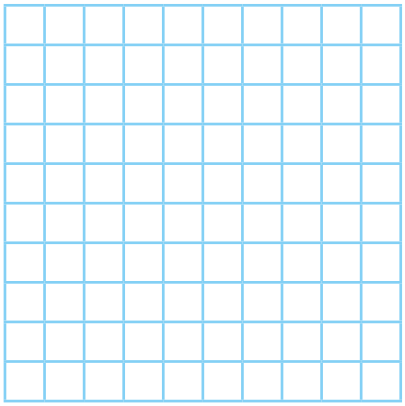
Bonisa iindlela ezahlukileyo onokubeka ngazo iithayile!

Show the different ways you can tile!

ngeethayile ezisi-8
using 8 tiles

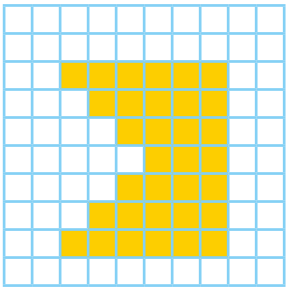
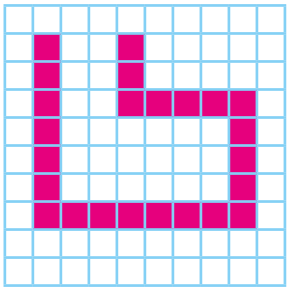
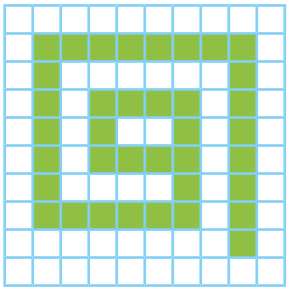
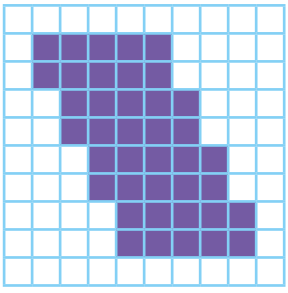
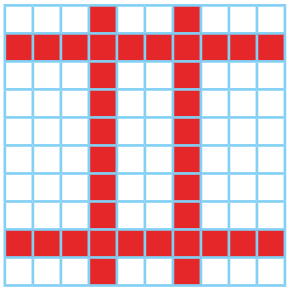
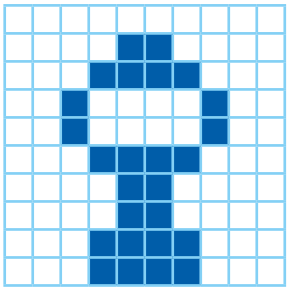


ngeethayile ezisi-9
using 9 tiles



4 Ingakanani ieriya yemilo nganye? Bala izikwere.

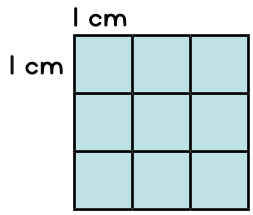
What is the area of each shape? Count the squares.

		
izikwere ezi-____ ____ squares	izikwere ezi-____ ____ squares	izikwere ezi-____ ____ squares
		
izikwere ezi-____ ____ squares	izikwere ezi-____ ____ squares	izikwere ezi-____ ____ squares

Uvavanyo noqukaniso
Assessment and consolidation

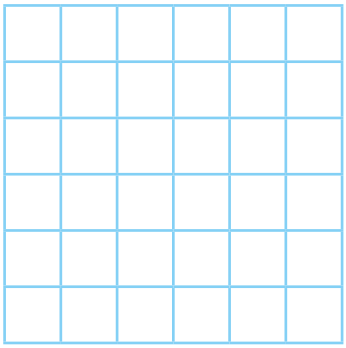
UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

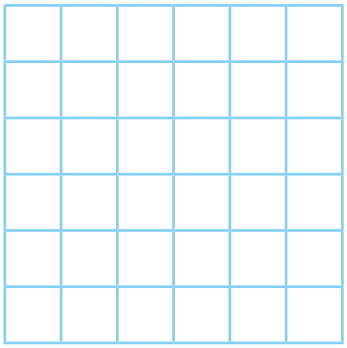
1 Fumana ieriya nomjikelezo wesi sikwere.
What is the area and perimeter of this square?



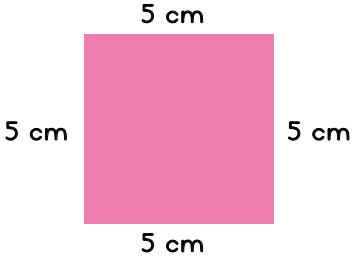
ieriya area	
umjikelezo perimeter	

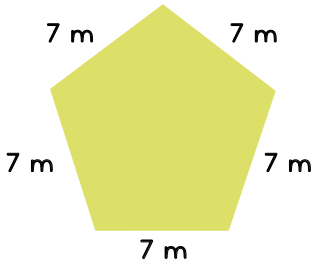
2 Zoba iirekthengile ezi-2 ezahlukileyo ezine-eriya yeebloko ezili-12 inye.
Draw 2 different rectangles with an area of 12 blocks each.





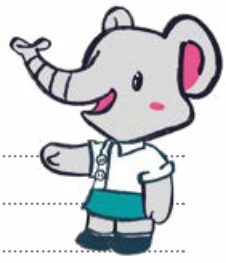
3 Bala umjikelezo.
Calculate the perimeter.





____ m	____ m

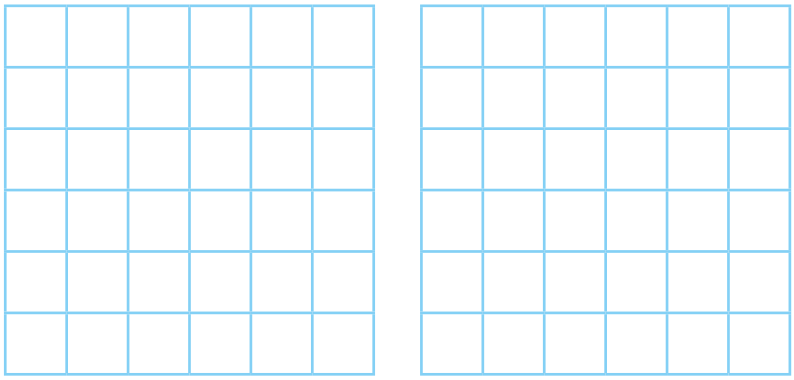
Masithethe ngeMaths!
Let's talk Maths!



NgesiXhosa sithi:	In English we say:
umjikelezo	perimeter
ieriya	area
umphezulu wemilo	surface of a shape
Sebenzisa iimilo njengeethayile.	Use shapes as tiles.
ucwangcisomanani	array

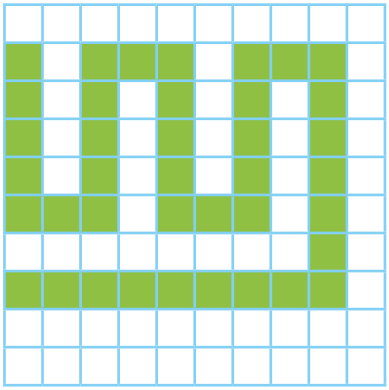
1 Zoba iirekthengile ezi-2 ezahlukileyo ezinomjikelo weebloko ezili-12 inye.

Draw 2 different rectangles with a perimeter of 12 blocks each.



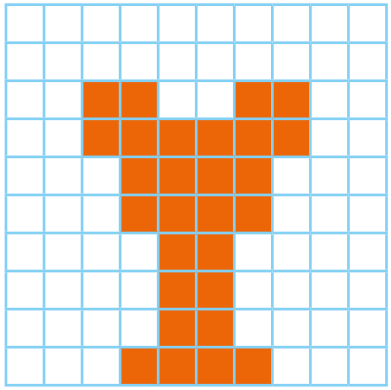
2 Ingakanani ieriya yezi milo ngokwezikwere?

What is the area of the shapes in squares?



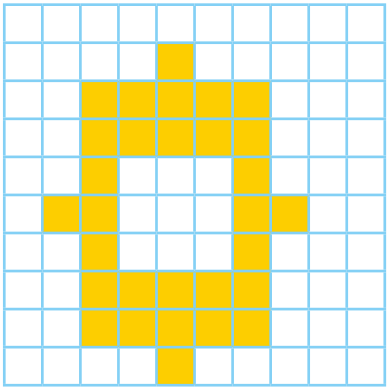
izikwere ezi-____

____ squares



izikwere ezi-____

____ squares

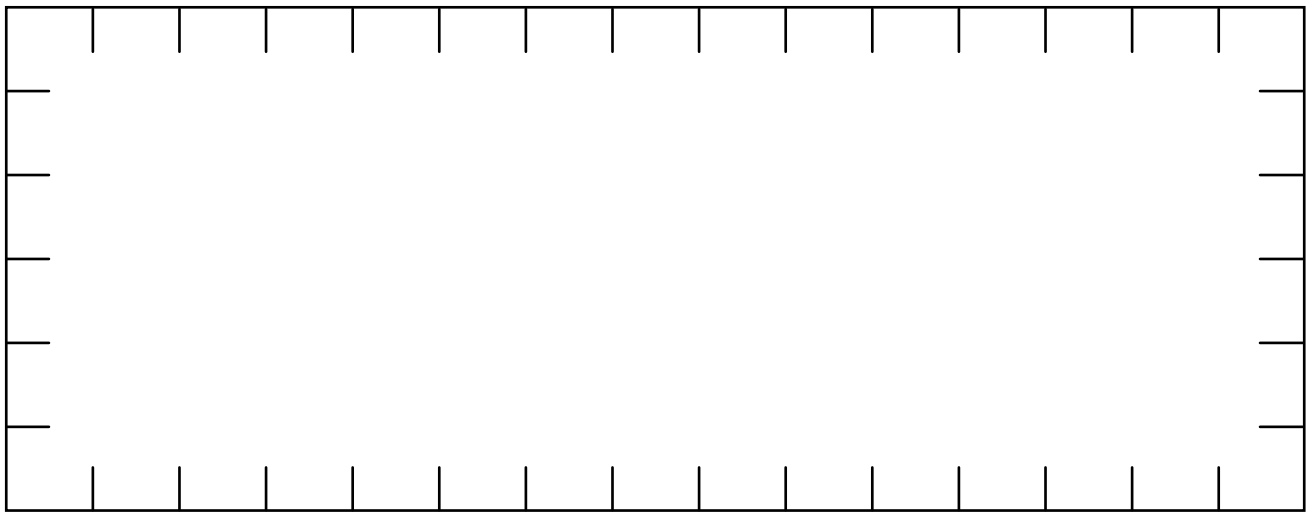


izikwere ezi-____

____ squares

3 Fumana ieriya nomjikelezo wale rekthengile.

Work out the area and perimeter of the rectangle.



Iikhilogram
Kilograms

IZIBALO ZENTLOKO
MENTAL MATHS

THELEKISA AMANANI
COMPARE NUMBERS

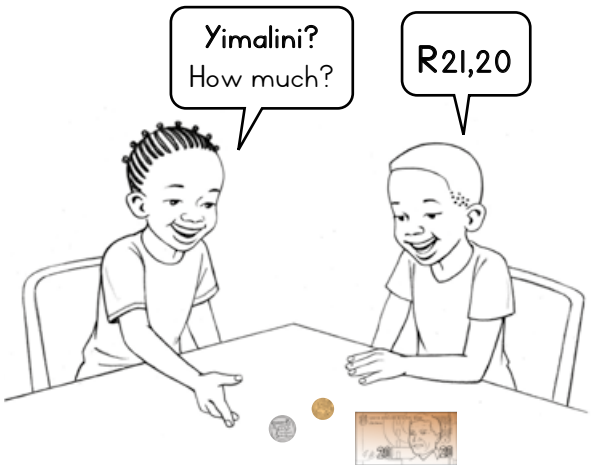
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Umdlalo: Imaths ekhawulezayo – imali
Game: Fast maths – money

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



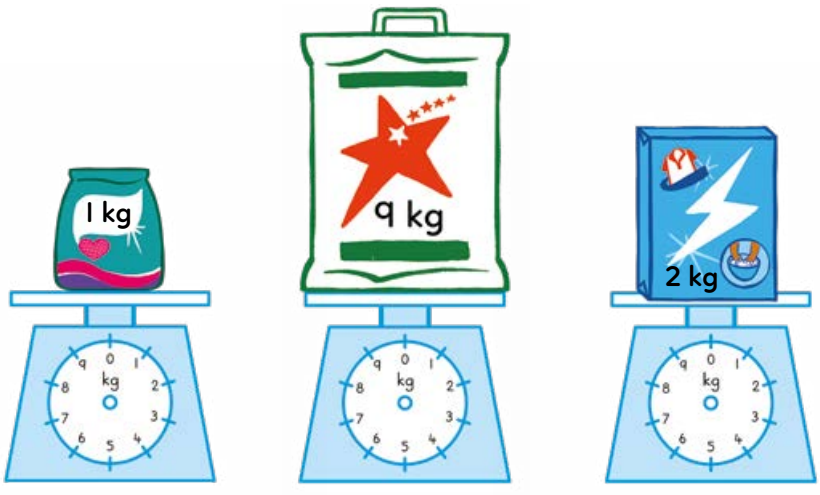
1 Jonga esi sikali.
Look at the scale.

Buthini ubunzima obuboniswa sesi sikali?
What mass reading is shown on this scale?

Ukhona umntu ome phezu kwesi sikali sokuzilinganisela ubunzima?
Is anyone standing on this bathroom scale?

Wazi njani?
How do you know?

2 Zoba amasiba kwezi zikali zasekhitshini ubonise ubunzima bezi mveliso.
Draw the pointers on the kitchen scales to show the mass of these products.



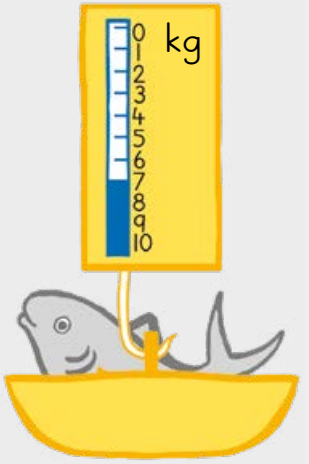
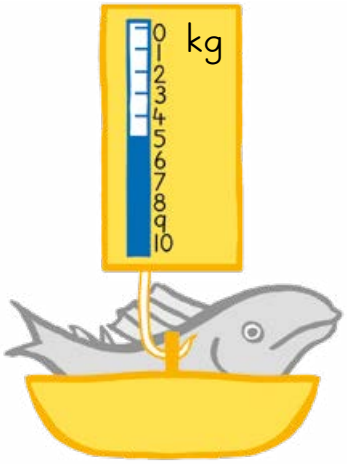
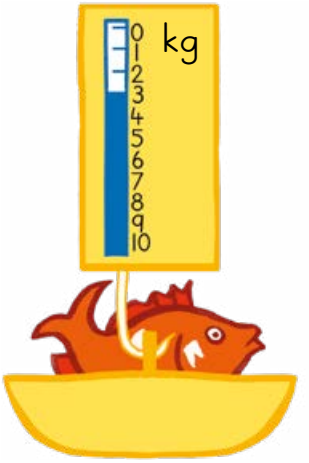
3 Zoba izinto ezinobunzima obungaphezulu okanye obungaphantsi ngokweekhilogram.

Draw things that are more or less than the mass in kilograms.

ingaphezulu more than	ubunzima mass	ingaphantsi less than
	1 kg	
	5 kg	
	10 kg	
	20 kg	

4 Bhala ubunzima ngeekhilogram.

Write the mass in kilograms.

		
63 kg		
		
7 kg		

Iigrem
Grams

IZIBALO ZENTLOKO
MENTAL MATHS

THELEKISA AMANANI
COMPARE NUMBERS

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Zoba izinto ezinobunzima obungaphezulu okanye obungaphantsi ngeegremu.
Draw objects that are more or less than the mass in grams.

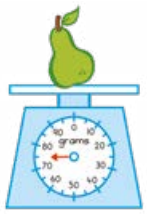
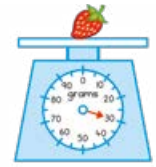
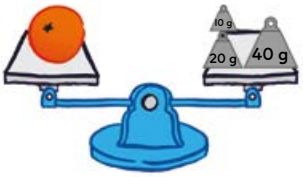
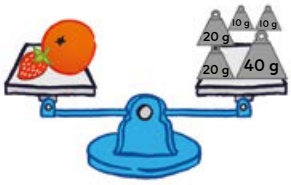
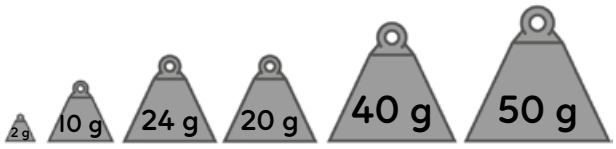
ingaphezulu more than	ubunzima mass	ingaphantsi less than
	50 g	
	100 g	
	250 g	
	750 g	

2

	ubunzima budibene total mass
Umama uthenge umgubo wombona nomgubo wengqolowa. Mom bought mealie meal and flour.	250 g + 500 g = 750 g
Ndithenge ibhotolo yamandongomani nomgubo wengqolowa. I bought peanut butter and flour.	
Utata uthenge iingxowa ezi-2 zomgubo wengqolowa. Dad bought 2 bags of flour.	
Umhakhulu uthenge iingxowa ezi-2 zomgubo wengqolowa. Granny bought 2 bags of flour.	

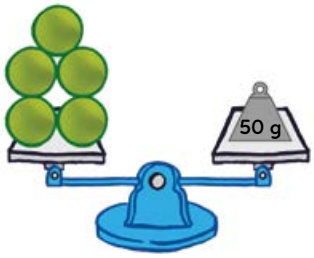
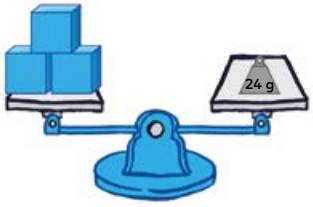
3 Bhala ubunzima ngeegremu.

Write the mass in grams.

	ubunzima be-  mass of	____ g
	ubunzima be-  mass of	____ g
	ubunzima be-  mass of	____ g
	ubunzima be-  mass of	____ g
	ubunzima be-  mass of	____ g
	ubunzima bubonke total mass is	____ g

4 Fumana ubunzima.

Work out the mass.

	Ukuba iibhola ezi-5 = 50 g, ngoko ke  e-1 = ____ g? If 5 balls = 50 g, then 1  = ____ g?
	Ukuba iibhokisi ezi-3 = 24 g, ngoko ke  e-1 = ____ g? If 3 boxes = 24 g, then 1  = ____ g?

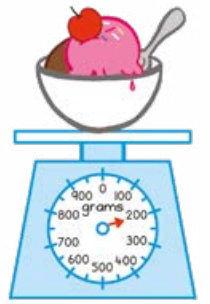
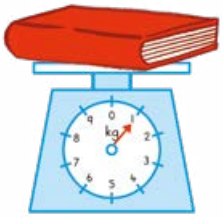
Uqikelelo lobunzima
Estimation of mass

IZIBALO ZENTLOKO (MENTAL MATHS) → THELEKISA AMANANI (COMPARE NUMBERS) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

1 Phawula izinto ezikhoyo ezinobunzima obuyi-1 kg.
Tick the objects that are about 1 kg.

2 Bhala ubunzima bezi mveliso.
Write the mass of the products.

		
_____ g	____ kg	_____ g

3 Zoba imifanekiso yezinto ezinobu bunzima:
Draw pictures of things with a mass:

obungaphantsi kune-5 kg less than 5 kg	obungaphezulu kune-5 kg more than 5 kg
obungaphantsi kune-500 g less than 500 g	**obungaphezulu kune-500 g** more than 500 g

4 Qala uqikelele wandule ukuqinisekisa imilinganiselo. Gqibezela itheyibhile.

First estimate then check the measurements. Complete the table.

	uqikelelo estimate	umlinganiselo measurement	umahluko phakathi koqikelelo nomlinganiselo difference between estimation and measurement
	500 g		500 g
			
			
			
			
			
			

Ukusebenza ngeeyunithi zobunzima
Working with units of mass

IZIBALO ZENTLOKO
MENTAL MATHS
THELEKISA AMANANI
COMPARE NUMBERS
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Bhala ubunzima bezi mveliso ngokulandelelana, uqale ngeyona ikhaphukhapu uye kweyona inzima.
Write the mass of these products in order from lightest to heaviest.

2 Jonga ezi mveliso uze uphendule imibuzo.
Look at the products and answer the questions.

Yeyiphi eyona inzima?
Which is the heaviest product?

Yeyiphi eyona ikhaphukhaphu?
Which is the lightest product?

Xela izinto ezi-2 ezinobunzima obungaphantsi kwe-1 kg zidibene.
Name 2 items that have a combined mass of less than 1 kg.

Xela izinto ezi-2 ezinobunzima ubungama-500 g zidibene.
Name 2 items that have a combined mass of 500 g.

INutro inobunzima obungaphezulu kangakanani kunobeWheatas?
How much more Nutro is there than Wheatas?

Buthini ubunzima beCreamo nobeStamp budibene?
What is the total mass of the Creamo and Stamp?

3 Sombulula ezi ngxaki.

Solve the problems.

Ndinobunzima obungama-25 kg. Umhlobo wam unobunzima obungama-29 kg. Umnakwethu unobunzima obungama-45 kg. Bungakanani ubunzima bethu budibene.

I weigh 25 kg. My friend weighs 29 kg. My brother weighs 45 kg. How much do we weigh altogether?

Zoba.

Draw.

isivakalisi manani number sentence	Isiphumo. Answer.

UFana uthenga ingxowa yomgubo wengqolowa engama-750 g. Uphungulela uMandla ama-367 g. Ungakanani umgubo kaFana oseleyo?

Fana buys a 750 g bag of flour. He gives 367 g to Mandla. How much flour does Fana have left?

Zoba.

Draw.

isivakalisi manani number sentence	Isiphumo. Answer.

UNtando unetshokolethi engama-84 g. Uyahlulela abahlobo bakhe. Umntu ngamnye uza kufumana itshokolethi enobunzima obungakanani?

Ntando has 84 g of chocolate. He divides it between 7 friends. What mass of chocolate will each person get?

Zoba.

Draw.

isivakalisi manani number sentence	Isiphumo. Answer.

Uqukaniso
Consolidation

IPHEPHA LOKUSEBENZELA
WORKSHEET → IPHEPHA LOKUSEBENZELA
WORKSHEET

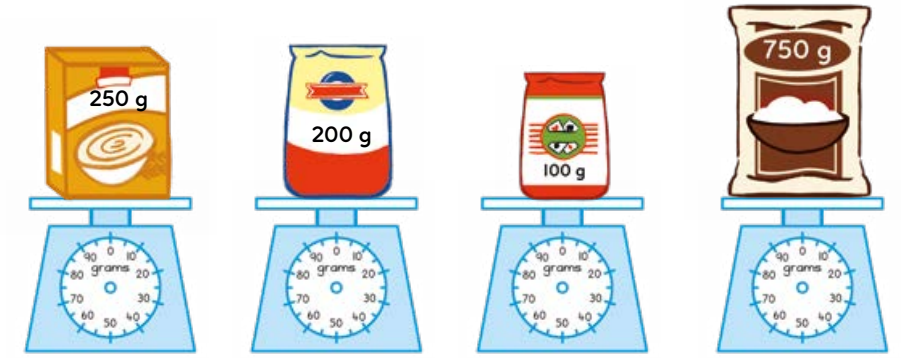
1

Yeyiphi eyona inzima kakhulu?
Which has the greatest mass?

Yeyiphi enobona bunzima buncinci?
Which has the smallest mass?

Zinobunzima obungakanani iibhisikithi neelekese zidibene?
What is the mass of the biscuits and sweets together?

2 Zoba amasiba kwizikali zasekhitshini ubonise ubunzima.
Draw the pointers on the kitchen scales to show the mass.



Xela iimveliso ezi-2 ezenza i-1000 g zidibene.
Name 2 products that add up to 1000 g.

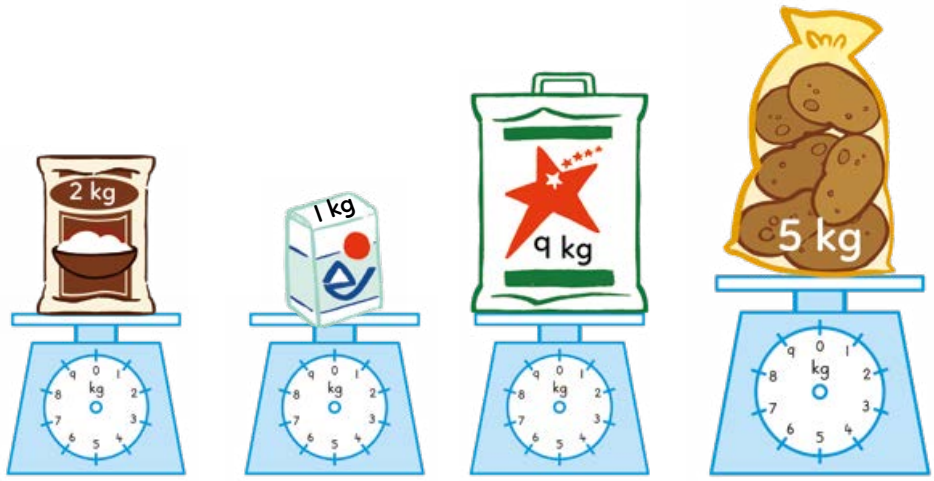
Xela iimveliso ezi-2 ezenza ama-450 g zidibene.
Name 2 products that add up to 450 g.

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
iikhilogremu	kilograms
iigremu	grams
inzima	heavy
ikhaphukhaphu	light
uqikelelo	estimate
qikelela	guess

3 Zoba amasiba kwezi zikali zasekhitshini ukuze ubonise ubunzima.

Draw the pointers on the kitchen scales to show the mass.



	ubunzima budibene total mass
Umama uthenge umgubo wombona nerayisi. Mom bought mealie meal and rice.	
Ndithenge irayisi, iswekile neetapile. I bought some rice, sugar and potatoes.	
Utata uthenge iswekile nomgubo wombona. Dad bought sugar and mealie meal.	
Udadewethu uthenge umgubo wombona, iswekile nerayisi. My sister bought mealie meal, sugar and rice.	

4

800 g – 300 g = _____	1 kg – 500 g = _____	200 g + 800 g = _____

5 UNosipho uneerolo zeelekese ezisi-9. Irolo nganye inobunzima obuyi-9 g. Zinobunzima obungakanani iilekese zizonke?

Nosipho has 9 rolls of sweets. Each roll of sweets has a mass of 9 g. What is the total mass of the sweets?

Zoba.

Draw.

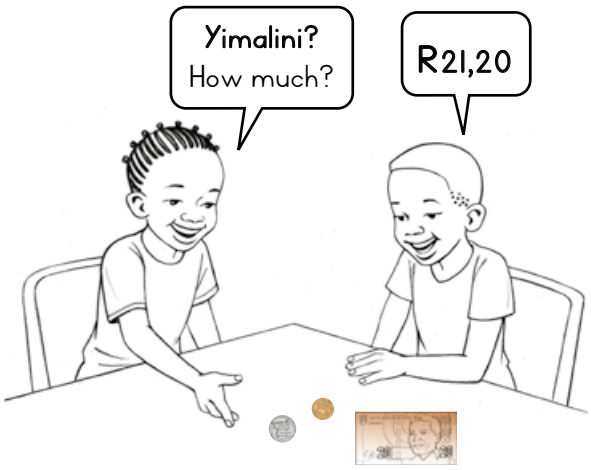
isivakalisi manani number sentence	Isiphumo. Answer.

Ulwahlulo
Division

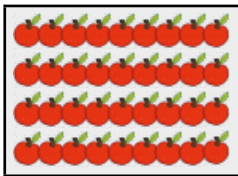
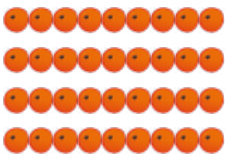
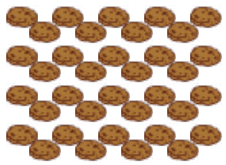
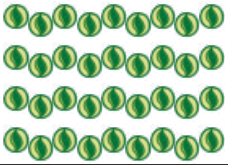
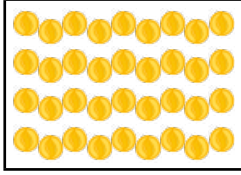
IZIBALO ZENTLOKO MENTAL MATHS | IMIGUQULWA INVERSE OPERATIONS → UMDLALO GAME → AMAPHEPHA OKUSEBENZELA WORKSHEETS

Umdlalo: Imaths ekhawulezayo – imali
Game: Fast maths – money

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

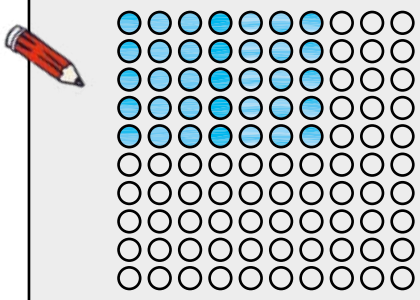
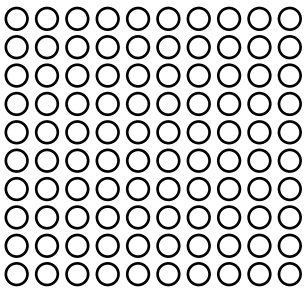
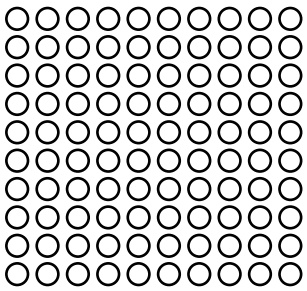


1

	yahlula ngokulinganayo share equally	Mangaphi amaqela e- How many groups of	
	ama-36 phakathi kwabahlobo aba-2 36 between 2 friends	18? 2	36 ÷ 18 = 2
	ama-36 phakathi kwabahlobo aba-4 36 among 4 friends	9? ____	____ ÷ ____ = ____
	ama-36 phakathi kwabahlobo aba-6 36 among 6 friends	6? ____	____ ÷ ____ = ____
	ama-36 phakathi kwabahlobo aba-9 36 among 9 friends	4? ____	____ ÷ ____ = ____
	ama-36 phakathi kwabahlobo abali-18 36 among 18 friends	2? ____	____ ÷ ____ = ____

2 Fakela umbala kumachokoza. Bhala izivakalisi manani.

Colour the dots. Fill in the number sentences.

ama-35 ahlulelwa amaqela ama-5 ezi-7 35 divided into 5 groups of 7	ama-72 ahlulelwa amaqela asi-8 ezi-9 72 divided into 8 groups of 9	ama-40 ahlulelwa amaqela ama-4 e-10 40 divided into 4 groups of 10
		
5 × 7 = 35	___ × ___ = ___	___ × ___ = ___
35 ÷ 7 = 5	___ ÷ ___ = ___	___ ÷ ___ = ___

3 Yabela abahlobo aba-3 iibhisikithi ezingama-27 ngokulinganayo.

Share 27 biscuits equally between 3 friends.

Zoba umfanekiso. Draw a diagram.	
isivakalisi manani sophindaphindo multiplication number sentence	isivakalisi manani sokwahlula division number sentence
Isiphumo. Answer.	

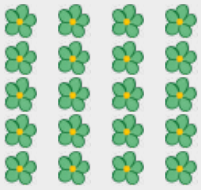
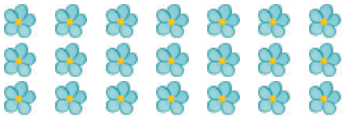
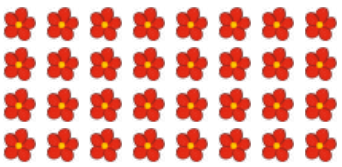
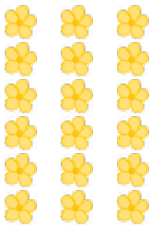
4

54 ÷ 6 = ☐	☐ × 6 = 54	☐ = 9
21 ÷ 3 = ☐	☐ × ___ = ___	☐ =
44 ÷ 11 = ☐	☐ × ___ = ___	☐ =
84 ÷ 7 = ☐	☐ × ___ = ___	☐ =
48 ÷ 8 = ☐	☐ × ___ = ___	☐ =

Ulwahlulo
Division

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

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

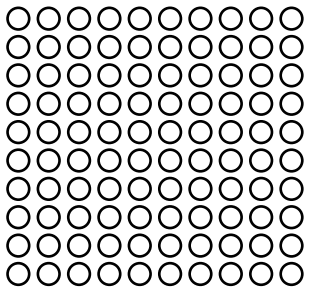
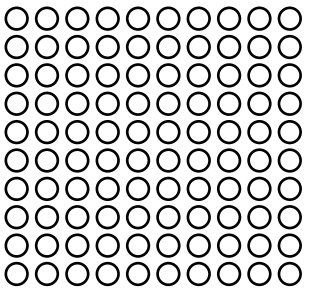
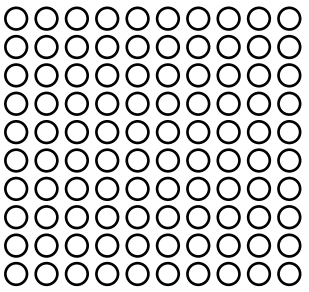
	imiqolo rows	iikholamu columns	uphindaphindo multiplication	ulwahlulo division
	5	4	5 x 4 = 20	20 ÷ 5 = 4
				
				
				

2 Sombulula iingxaki zophindaphindo nolwahlulo.
Solve the multiplication and division problems.

ukuhlela grouping	phindaphinda multiply	ulwabiwo sharing	yahlula divide
amaqela ama-2 ezi-5 2 groups of 5	2 x 5 = 10	yohlula i-10 phakathi kwaba- 5 share 10 between 5	10 ÷ 5 = 2
amaqela asi-7 ezi-5 7 groups of 5			
amaqela ali-12 ezi-5 12 groups of 5			

3 Fakela umbala kwimiqolo nakwiikholamu kucwangcisomanani ngalunye. Bhala izivakalisi manani.

Colour the rows and columns in each array. Fill in the number sentences.

imiqolo esi-7 neekholamu ezili-10 7 rows and 10 columns	imiqolo emi-4 neekholamu ezi-6 4 rows and 6 columns	imiqolo emi-5 neekholamu ezili-9 5 rows and 9 columns
		
____ × ____ = ____	____ × ____ = ____	____ × ____ = ____
____ ÷ ____ = ____	____ ÷ ____ = ____	____ ÷ ____ = ____

4 Sebenzisa amanani akwimifanekiso ebonisa isahlulo nento epheleleyo ukuze ubhale izivakalisi manani.

Use the numbers in the part-part-whole diagrams to complete the number sentences.

30				
6		5		
6	×	5	=	30
5	×	6	=	30
30	÷	6	=	5
30	÷	5	=	6

32				
4		8		
	×		=	
	×		=	
	÷		=	
	÷		=	

60				
6		10		
	×		=	
	×		=	
	÷		=	
	÷		=	

5

56 ÷ 7 = _____	80 ÷ 10 = _____	42 ÷ 6 = _____
81 ÷ 9 = _____	40 ÷ 8 = _____	0 ÷ 8 = _____
0 ÷ 5 = _____	28 ÷ 4 = _____	84 ÷ 7 = _____

Ulwahlulo
Division

IZIBALO ZENTLOKO
MENTAL MATHS

IMIGUQULWA
INVERSE OPERATIONS

→ UMDLALO
GAME

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Zingaphi iingobozi ezinama-apile?
How many baskets hold apples?

ama-apile  apples	iingobozi  baskets	÷ isivakalisi manani ÷ number sentence	x isivakalisi manani x number sentence
10	1	10 ÷ 10 = 1	1 x 10 = 10
20	2	20 ÷ 10 = 2	2 x 10 = 20
30			
40			
50			

2 Bhala izivakalisi manani ezihambelana nocwangcisomanani.
Write the number sentences to match the arrays.

____ × ____ = ____	____ × ____ = ____	____ × ____ = ____
____ ÷ ____ = ____	____ ÷ ____ = ____	____ ÷ ____ = ____

3 Ubude beribhoni 1 ngama-56 m. Ubude beribhoni 2 zii-7 m. Inde ngokuphindwe kangaphi iribhoni 1 kuneribhoni 2?
Ribbon 1 is 56 m long. Ribbon 2 is 7 m long. How many times longer is Ribbon 1 than Ribbon 2?

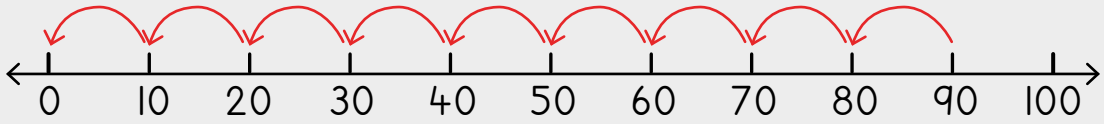
Zoba.
Draw.

isivakalisi manani solwahlulo
division number sentence

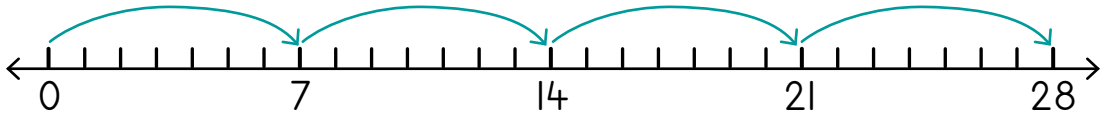
Isiphumo.
Answer.

4 Sebenzisa iziphindwa zikuncede ubhale izivakalisi manani zophindaphindo nezolwahlulo.

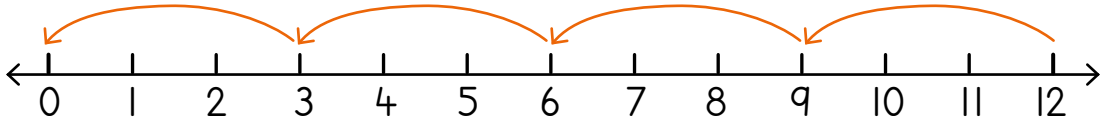
Use multiples to help you write the multiplication and division number sentences. Solve the problems.



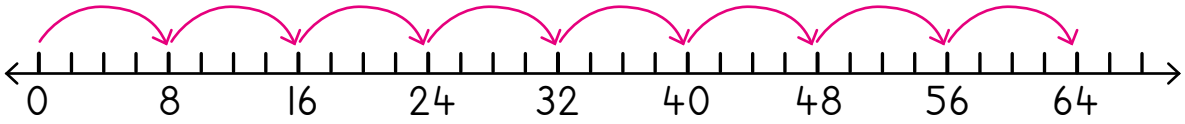
90 ÷ 10 = 9	9 × 10 = 90



____ ÷ ____ = ____	____ × ____ = ____



____ ÷ ____ = ____	____ × ____ = ____



____ ÷ ____ = ____	____ × ____ = ____

5 UBheki uneelekese ezingama-66. UMandla uneelekese ezili-11. Zininzi ngokuphindwe kangaphi iilekese zikaBheki kunezikaMandla?

Bheki has 66 sweets. Mandla has 11 sweets. How many times more sweets does Bheki have than Mandla?

Zoba.

Draw.

isivakalisi manani solwahlulo

division number sentence

Isiphumo.

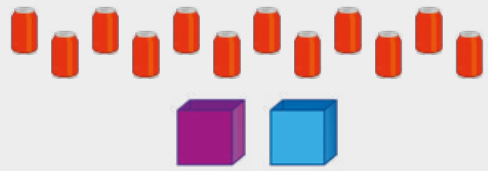
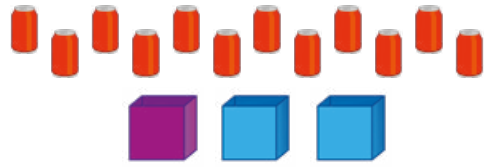
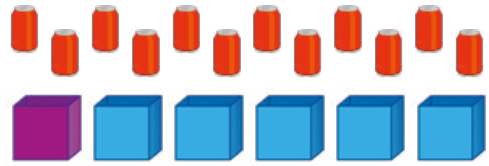
Answer.

Amaqhezu
Fractions

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

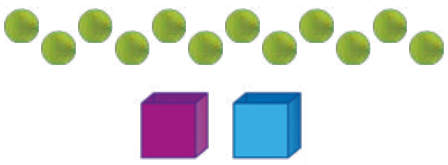
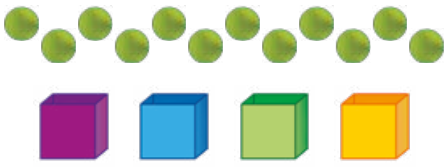
1 Yahlulela iibhokisi ezi toti.

Divide the cans into the boxes.

	inani leetoti total cans	Zingaphi iitoti ezikwibhokisi emsobo? How many cans in the purple box?	Leliphi iqhezu elikwibhokisi emsobo? What fraction is in the purple box?
	12	6	$\frac{1}{2}$
			
			

2 Yahlulela iibhokisi ezi bhola.

Divide the balls into the boxes.

	iibhola ziphelele total balls	Zingaphi iibhola kwibhokisi emfusa? How many balls in the purple box?	Leliphi iqhezu elikwibhokisi emsobo? What fraction is in the purple box?
			
			

3 Dibanisa. Faka umbala kwisiphumo. Bhala iqhezu.

Add. Colour the answer. Write the fraction.

 ____ + ____ = ____	 ____ + ____ = ____
 ____ + ____ = ____	 ____ + ____ = ____

4 Thabatha. Faka umbala kwisiphumo. Bhala iqhezu.

Subtract. Colour the answer. Write the fraction.

 ____ – ____ = ____	 ____ – ____ = ____
 ____ – ____ = ____	 ____ – ____ = ____

5

UNosipho uneelekese ezingama-42. Uthatha i-$\frac{3}{7}$ yazo aye nayo esikolweni. Zingaphi iilekese aya nazo esikolweni uNosipho?

Nosipho has 42 sweets. She takes $\frac{3}{7}$ of her sweets to school. How many sweets does she take?

Zoba.

Draw.

Isivakalisi manani sokufumanisa i-$\frac{3}{7}$ yama-42.

Number sentence to find $\frac{3}{7}$ of 42.

Isiphumo.

Answer.

Umlinganiselo
Measurement

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

1 UMusa ubhaka ikeyiki esebenzisa le resiphi.

Musa makes a sponge cake using this recipe.

40 g yomgubo ozinyukelayo
40 g self-raising flour

amaqanda ama-3
3 eggs

50 g yeswekile yokuhombisa
50 g icing sugar

140 ml yekhrimu
140 ml cream

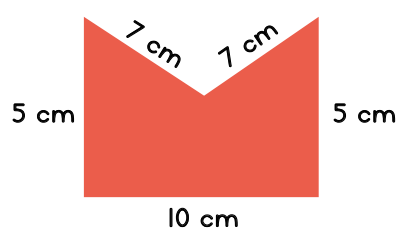
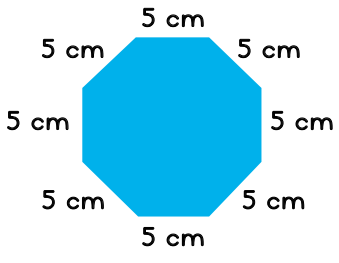
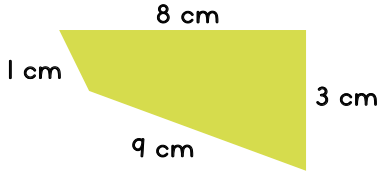
Fumanisa imiyinge efunekayo ukuze uMusa ukwazi ukubhaka iikeyiki ezi-6.

Work out how much Musa needs to make 6 cakes.

ikeyiki cake	umgubo flour	amaqanda eggs	iswekile yokuhombisa icing sugar	ikhrimu cream
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

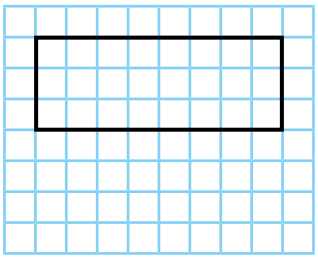
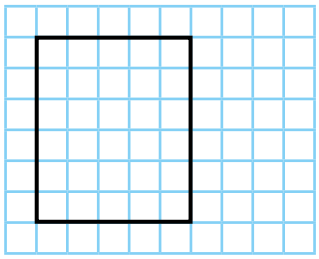
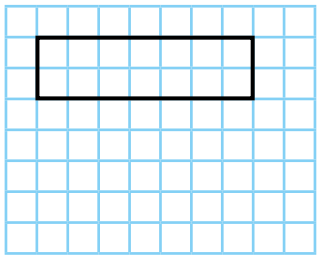
2 Bala umjikelezo.

Calculate the perimeter.

		
_____ cm	_____ m	_____ cm

3 Bala ieriya.

Calculate the area.

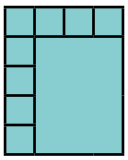
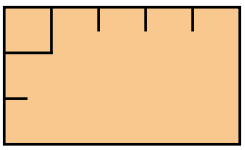
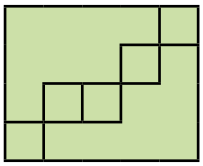
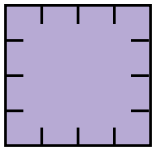
		
izikwere ezi-____ _____ squares	izikwere ezi-____ _____ squares	izikwere ezi-____ _____ squares

4

125 g + 250 g + 87 g = _____ g
34 g + 78 g + 120 g = _____ g
57 kg + 46 kg + 77 kg = _____ g
29 kg + 61 kg + 156 kg = _____ g

5 Fumana umjikelezo ne-eriya yemilo ngane.

What is the perimeter and area of each of these shapes?

	umjikelezo perimeter	ieriya area
		
		
		
		

Usuku 1 • Day 1

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

41

78

12

53

87

69

33

42

28

95

Usuku 2 • Day 2

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

17

25

88

37

61

46

24

79

92

56

Usuku 3 • Day 3

Gqibezela izivakalisi manani. Bhala ama-10 nemivo.

Complete the number sentences.
Write the 10s and 1s.

34 = _____ + _____

57 = _____ + _____

85 = _____ + _____

19 = _____ + _____

46 = _____ + _____

28 = _____ + _____

71 = _____ + _____

53 = _____ + _____

64 = _____ + _____

97 = _____ + _____

Usuku 4 • Day 4

Gqibezela izivakalisi manani. Bhala ama-10 nemivo.

Complete the number sentences.
Write the 10s and 1s.

17 = _____ + _____

81 = _____ + _____

59 = _____ + _____

99 = _____ + _____

23 = _____ + _____

41 = _____ + _____

39 = _____ + _____

66 = _____ + _____

26 = _____ + _____

74 = _____ + _____

Usuku 1 • Day 1

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

247

629

852

189

417

371

594

763

910

285

Usuku 2 • Day 2

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

931

544

798

102

637

283

426

851

555

372

Usuku 3 • Day 3

Gqibezela izivakalisi manani. Bhala ama-100, ama-10 nemivo.

Complete the number sentences.
Write the 100s, 10s and 1s.

457 = _____ + _____ + _____

692 = _____ + _____ + _____

318 = _____ + _____ + _____

723 = _____ + _____ + _____

156 = _____ + _____ + _____

299 = _____ + _____ + _____

547 = _____ + _____ + _____

390 = _____ + _____ + _____

635 = _____ + _____ + _____

838 = _____ + _____ + _____

Usuku 4 • Day 4

Gqibezela izivakalisi manani. Bhala ama-100, ama-10 nemivo.

Complete the number sentences.
Write the 100s, 10s and 1s.

407 = _____ + _____ + _____

119 = _____ + _____ + _____

782 = _____ + _____ + _____

515 = _____ + _____ + _____

359 = _____ + _____ + _____

623 = _____ + _____ + _____

711 = _____ + _____ + _____

284 = _____ + _____ + _____

491 = _____ + _____ + _____

822 = _____ + _____ + _____

Usuku 1 • Day 1

Sombulula usebenzise iibloko.

Solve using blocks.

21 + 43 = _____

54 + 32 = _____

75 + 14 = _____

33 + 45 = _____

67 + 11 = _____

87 – 44 = _____

59 – 16 = _____

76 – 35 = _____

48 – 24 = _____

99 – 57 = _____

Usuku 2 • Day 2

Sombulula usebenzise iibloko.

Solve using blocks.

32 + 61 = _____

65 + 23 = _____

27 + 52 = _____

41 + 37 = _____

73 + 12 = _____

96 – 25 = _____

67 – 13 = _____

49 – 31 = _____

75 – 42 = _____

88 – 56 = _____

Usuku 3 • Day 3

Sombulula usebenzise iibloko.

Solve using blocks.

15 + 63 = _____

47 + 31 = _____

71 + 18 = _____

55 + 23 = _____

34 + 51 = _____

78 – 35 = _____

57 – 13 = _____

39 – 21 = _____

84 – 42 = _____

68 – 46 = _____

Usuku 4 • Day 4

Sombulula usebenzise iibloko.

Solve using blocks.

56 + 42 = _____

28 + 31 = _____

13 + 54 = _____

33 + 15 = _____

42 + 25 = _____

65 – 44 = _____

37 – 25 = _____

46 – 13 = _____

79 – 34 = _____

53 – 21 = _____

Usuku 1 • Day 1

Dibanisa.

Add.

35 + 40 = _____

30 + 57 = _____

26 + 60 = _____

10 + 49 = _____

78 + 20 = _____

40 + 50 = _____

17 + 31 = _____

60 + 20 = _____

55 + 10 = _____

30 + 60 = _____

Usuku 2 • Day 2

Dibanisa.

Add.

17 + 30 = _____

60 + 25 = _____

53 + 20 = _____

30 + 61 = _____

32 + 50 = _____

30 + 30 = _____

42 + 31 = _____

10 + 50 = _____

25 + 60 = _____

20 + 40 = _____

Usuku 3 • Day 3

Dibanisa.

Add.

78 + 10 = _____

20 + 17 = _____

43 + 40 = _____

60 + 31 = _____

54 + 20 = _____

60 + 30 = _____

48 + 21 = _____

20 + 70 = _____

65 + 10 = _____

20 + 20 = _____

Usuku 4 • Day 4

Dibanisa.

Add.

33 + 50 = _____

50 + 14 = _____

62 + 20 = _____

40 + 11 = _____

37 + 20 = _____

10 + 50 = _____

64 + 13 = _____

40 + 10 = _____

35 + 30 = _____

70 + 10 = _____

Usuku 1 • Day 1

Thabatha.

Subtract.

43 – 20 = _____

67 – 30 = _____

89 – 50 = _____

36 – 10 = _____

54 – 40 = _____

72 – 50 = _____

97 – 10 = _____

81 – 40 = _____

33 – 20 = _____

65 – 40 = _____

Usuku 2 • Day 2

Thabatha.

Subtract.

69 – 20 = _____

85 – 60 = _____

47 – 20 = _____

57 – 50 = _____

36 – 10 = _____

88 – 50 = _____

63 – 60 = _____

47 – 20 = _____

39 – 20 = _____

79 – 40 = _____

Usuku 3 • Day 3

Thabatha.

Subtract.

26 – 10 = _____

48 – 30 = _____

51 – 40 = _____

74 – 70 = _____

92 – 60 = _____

83 – 30 = _____

67 – 40 = _____

75 – 50 = _____

33 – 30 = _____

99 – 10 = _____

Usuku 4 • Day 4

Thabatha.

Subtract.

15 – 10 = _____

89 – 70 = _____

66 – 50 = _____

47 – 10 = _____

71 – 20 = _____

38 – 20 = _____

79 – 70 = _____

42 – 30 = _____

84 – 10 = _____

61 – 10 = _____

Usuku 1 • Day 1

Dibanisa.

Add.

136 + 10 = _____

352 + 20 = _____

481 + 40 = _____

620 + 30 = _____

858 + 50 = _____

910 + 20 = _____

176 + 10 = _____

470 + 30 = _____

335 + 40 = _____

204 + 50 = _____

Usuku 2 • Day 2

Dibanisa.

Add.

340 + 15 = _____

201 + 12 = _____

505 + 43 = _____

161 + 31 = _____

600 + 36 = _____

261 + 47 = _____

500 + 25 = _____

156 + 13 = _____

450 + 42 = _____

300 + 18 = _____

Usuku 3 • Day 3

Dibanisa.

Add.

242 + 44 = _____

323 + 34 = _____

445 + 12 = _____

554 + 24 = _____

627 + 63 = _____

333 + 14 = _____

421 + 37 = _____

542 + 51 = _____

120 + 20 = _____

222 + 64 = _____

Usuku 4 • Day 4

Dibanisa.

Add.

203 + 44 = _____

326 + 51 = _____

453 + 22 = _____

511 + 33 = _____

638 + 61 = _____

110 + 51 = _____

202 + 11 = _____

321 + 25 = _____

413 + 31 = _____

521 + 60 = _____

Usuku 1 • Day 1

Thabatha.
Subtract.

861 – 40 = _____

756 – 20 = _____

694 – 30 = _____

543 – 70 = _____

425 – 50 = _____

159 – 20 = _____

278 – 60 = _____

494 – 80 = _____

232 – 30 = _____

366 – 50 = _____

Usuku 2 • Day 2

Thabatha.
Subtract.

379 – 42 = _____

487 – 35 = _____

124 – 13 = _____

855 – 53 = _____

255 – 55 = _____

649 – 28 = _____

278 – 65 = _____

193 – 12 = _____

555 – 21 = _____

787 – 34 = _____

Usuku 3 • Day 3

Thabatha.
Subtract.

765 – 20 = _____

153 – 40 = _____

675 – 60 = _____

274 – 10 = _____

452 – 30 = _____

276 – 50 = _____

461 – 40 = _____

582 – 20 = _____

683 – 30 = _____

381 – 70 = _____

Usuku 4 • Day 4

Thabatha.
Subtract.

236 – 32 = _____

444 – 24 = _____

567 – 45 = _____

315 – 13 = _____

729 – 18 = _____

617 – 26 = _____

129 – 19 = _____

578 – 37 = _____

739 – 15 = _____

447 – 22 = _____

Usuku 1 • Day 1

Phinda kabini.

Double.

20 _____

5 _____

30 _____

80 _____

70 _____

800 _____

100 _____

400 _____

300 _____

200 _____

Usuku 2 • Day 2

Phinda kabini.

Double.

40 _____

10 _____

50 _____

20 _____

200 _____

230 _____

410 _____

620 _____

540 _____

150 _____

Usuku 3 • Day 3

Phinda kabini.

Double.

223 _____

333 _____

424 _____

534 _____

144 _____

142 _____

152 _____

135 _____

165 _____

115 _____

Usuku 4 • Day 4

Phinda kabini.

Double.

316 _____

226 _____

137 _____

147 _____

157 _____

338 _____

34 _____

429 _____

439 _____

149 _____

Usuku 1 • Day 1

Bhala inani elingaphantsi ngo-1 nelingaphezulu ngo-1.

Write 1 less and 1 more.

_____ 152 _____

_____ 367 _____

_____ 418 _____

_____ 579 _____

_____ 647 _____

_____ 982 _____

_____ 468 _____

_____ 555 _____

_____ 143 _____

_____ 794 _____

Usuku 2 • Day 2

Bhala inani elingaphantsi ngesi-2 nelingaphezulu ngesi-2.

Write 2 less and 2 more.

_____ 197 _____

_____ 351 _____

_____ 246 _____

_____ 482 _____

_____ 564 _____

_____ 282 _____

_____ 567 _____

_____ 833 _____

_____ 178 _____

_____ 494 _____

Usuku 3 • Day 3

Bhala inani elingaphantsi ngesi-3 nelingaphezulu ngesi-3.

Write 3 less and 3 more.

_____ 163 _____

_____ 315 _____

_____ 476 _____

_____ 542 _____

_____ 867 _____

_____ 212 _____

_____ 567 _____

_____ 444 _____

_____ 778 _____

_____ 194 _____

Usuku 4 • Day 4

Bhala inani elingaphantsi nge-10 nelingaphezulu ngesi-10.

Write 10 less and 10 more.

_____ 653 _____

_____ 425 _____

_____ 539 _____

_____ 142 _____

_____ 277 _____

_____ 324 _____

_____ 867 _____

_____ 111 _____

_____ 778 _____

_____ 984 _____

Usuku 1 • Day 1

Sombulula usebenzise iibloko.

Solve using blocks.

55 + 26 = _____

47 + 34 = _____

51 + 19 = _____

28 + 65 = _____

33 + 57 = _____

75 – 28 = _____

85 – 54 = _____

34 – 26 = _____

88 – 59 = _____

43 – 16 = _____

Usuku 2 • Day 2

Sombulula usebenzise iibloko.

Solve using blocks.

87 + 25 = _____

18 + 73 = _____

37 + 37 = _____

35 + 48 = _____

26 + 45 = _____

86 – 37 = _____

42 – 26 = _____

55 – 48 = _____

93 – 64 = _____

74 – 58 = _____

Usuku 3 • Day 3

Sombulula usebenzise iibloko.

Solve using blocks.

44 + 38 = _____

18 + 65 = _____

52 + 39 = _____

47 + 46 = _____

75 + 18 = _____

85 – 48 = _____

31 – 23 = _____

55 – 26 = _____

82 – 54 = _____

96 – 59 = _____

Usuku 4 • Day 4

Sombulula usebenzise iibloko.

Solve using blocks.

63 + 28 = _____

46 + 36 = _____

17 + 59 = _____

36 + 74 = _____

24 + 41 = _____

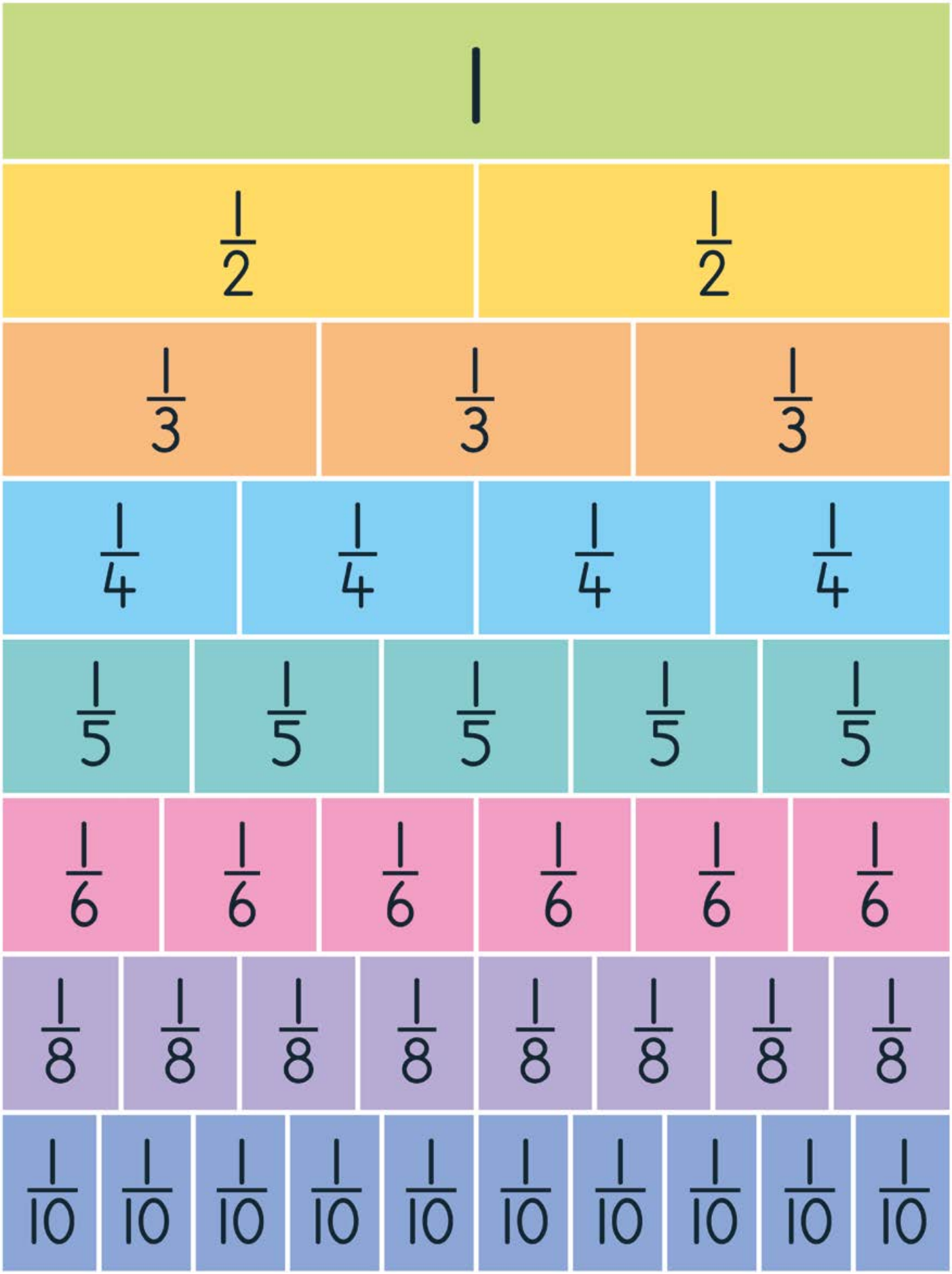
85 – 57 = _____

71 – 44 = _____

33 – 26 = _____

67 – 48 = _____

92 – 65 = _____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1/3 1/3 1/3
1/4 1/4 1/4 1/4
1/5 1/5 1/5 1/5 1/5
1/6 1/6 1/6 1/6 1/6 1/6
1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8
1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10

Bala Wande

Calculating with Confidence

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