# MATHEMATICS

# Grade 2

# English

# Learner Activity Book

## 2019 TERM 3

# Introduction

This resource pack has fifty numbered daily activities for classwork and homework. The activities correspond to the activities in the lesson plans. The daily lesson should be followed by classwork and then homework.

Answers to the activities can be written in this book.

These resources are bilingual. We hope that presenting the activities in two languages will help learners to learn the 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 maths activities, they will cover the whole curriculum. Hopefully these activities will be a fun way to help them acquire this maths knowledge.

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# Term 3 Lesson 1

## Repeated addition

CLASSWORK

Complete the table.

| | What is? | Repeated Addition | Answer |
|---|---|---|---|
| **1** | 5 groups of 2 | 2 +2 +2 +2 +2 = | 10 |
| **2** | 3 groups of 3 | 3 + 3 + 3 = | |
| **3** | 6 groups of 4 | | |
| **4** | 3 groups of 5 | | |
| **5** | 10 groups of 2 | | |
| **6** | 7 groups of 3 | | |
| **7** | 6 groups of 5 | | |
| **8** | 8 groups of 4 | | |
| **9** | 9 groups of 3 | | |
| **10** | 10 groups of 5 | | |

HOMEWORK

Complete the table.

| | What is? | Repeated Addition | Answer |
|---|---|---|---|
| 1 | 6 groups of 2 | | |
| 2 | 7 groups of 3 | | |
| 3 | 5 groups of 4 | | |

# Term 3 Lesson 2

## Multiplication (I)

### CLASSWORK

Complete the table. Write multiplication as repeated addition.

| | Multiplication | Repeated Addition |
|---|---|---|
| 1 | 3 × 2 = 6 | 2 + 2 + 2 = 6 |
| 2 | 4 × 2 = ____ | |
| 3 | 3 × 3 = ____ | |
| 4 | 2 × 5 = ____ | 5 + 5 = ____ |
| 5 | 5 × 3 = ____ | |
| 6 | 6 × 5 = ____ | |
| 7 | 9 × 2 = ____ | |
| 8 | 5 × 4 = ____ | 4 + 4 + 4 + 4 + 4 = ____ |

### HOMEWORK

Complete the table. Write multiplication as repeated addition.

| | Multiplication | Repeated Addition |
|---|---|---|
| 1 | 3 × 5 = ____ | |
| 2 | 4 × 3 = ____ | |
| 3 | 8 × 2 = ____ | |

# Term 3 Lesson 3

## Multiplication (2)

### CLASSWORK

Complete the table. Write multiplication as repeated addition.

| | Multiplication | Repeated Addition |
|---|---|---|
| 1 | 3 × 3 = ____ | |
| 2 | 4 × 3 = ____ | |
| 3 | 6 × 2 = ____ | |
| 4 | 5 × 5 = ____ | |
| 5 | 6 × 4 = ____ | |
| 6 | 7 × 2 = ____ | |
| 7 | 9 × 3 = ____ | |
| 8 | 4 × 4 = ____ | |

### HOMEWORK

Complete the table. Write multiplication as repeated addition.

| | Multiplication | Repeated Addition |
|---|---|---|
| 1 | 3 × 2 = ____ | |
| 2 | 4 × 5 = ____ | |
| 3 | 8 × 3 = ____ | |

# Term 3 Lesson 4

## Multiplication number sentences (1)

CLASSWORK

Complete the table.

| | What is? | Multiplication | Repeated Addition |
|---|---|---|---|
| **1** | 3 groups of 5 | 3 × 5 = ____ | 5 + 5 + 5 = 15 |
| **2** | 4 groups of 3 | | |
| **3** | 6 groups of 2 | | |
| **4** | 5 groups of 5 | | |
| **5** | 6 groups of 4 | | |
| **6** | 8 groups of 2 | | |
| **7** | 9 groups of 3 | | |
| **8** | 4 groups of 4 | | |

## HOMEWORK

Draw a diagram to calculate the answer.

6 × 3 = _____

# Term 3 Lesson 5

## Consolidation

1 Complete the table.

| | Groups | Multiplication | Repeated Addition |
|---|---|---|---|
| a | 5 groups of ____ | 5 × 5 = ____ | |
| b | ____ groups of 3 | 8 × 3 = ____ | |
| c | 7 groups of 4 | | |

2 Draw a diagram to show 4 groups of 3 and write the multiplication number sentence.

4 × 3 = _____

# Term 3 Lesson 6

## Assessment

# Term 3 Lesson 7

## Multiplication number sentences (2)

CLASSWORK

Draw a diagram to calculate the answer.

| | |
|---|---|
| 1 What is 4 times 5? _____ | 2 What is 3 times 4? _____ |
| 3 What is 6 times 3? _____ | 4 What is 8 times 2? _____ |
| 5 What is 7 times 5? _____ | 6 What is 9 times 4? _____ |

## HOMEWORK

Draw a diagram to calculate the answer.

| | |
|---|---|
| 1 What is 5 times 3? _____ | 2 What is 7 times 2? _____ |

# Term 3 Lesson 8

## 5 times table (1)

CLASSWORK

The Grade 2 class is going to the zoo. Each car can take 5 children. How many children can go to the zoo each time?

Complete the table.

| | Cars | Number sentence | Answer |
|---|---|---|---|
| 1 | 1 car | 1 × 5 = 5 | 5 children |
| 2 | 2 cars | 2 × 5 = 10 | 10 children |
| 3 | 3 cars | | |
| 4 | 4 cars | | |
| 5 | 5 cars | | |
| 6 | 6 cars | | |
| 7 | 7 cars | | |
| 8 | 8 cars | | |
| 9 | 9 cars | | |

HOMEWORK

Complete the number sequences counting in 5s:

1 0, 5, 10, _____ , 20, _____ , _____ , 35, 40, _____ , 50.

2 50, 45, _____ , 35, 30, _____ , 20, 15, _____ , 5, 0.

# Term 3 Lesson 9

## 5 times table (2)

What is the multiplication number sentence?

| | Repeated Addition | Multiplication |
|---|---|---|
| 1 | 5 + 5 = | |
| 2 | 5 + 5 + 5 + 5 + 5 + 5 = | |
| 3 | 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = | |
| 4 | 5 + 5 + 5 + 5 = | |
| 5 | 5 + 5 + 5 + 5 + 5 = | |
| 6 | 5 + 5 + 5 + 5 + 5 + 5 + 5 = | |
| 7 | 5 + 5 + 5 = | |
| 8 | 5 + 5 + 5 + 5 + 5 + 5+ 5 + 5 + 5+ 5 = | |
| 9 | 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = | |

## CLASSWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 6 × 5 | 5 + 5 + 5 + 5+ 5 + 5 | |
| 2 | 3 × 5 | | |
| 3 | | 5 + 5 | |
| 4 | 7 × 5 | | |

## HOMEWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 2 × 5 | 5 + 5 | |
| 2 | 5 × 5 | | |
| 3 | | 5 + 5 + 5 + 5 | |
| 4 | 8 × 5 | | |

# Term 3 Lesson 10

## Consolidation

1 Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| **a** | 2 × 5 | 5 + 5 | |
| **b** | 3 × 5 | | |
| **c** | | 5 + 5 + 5 + 5 | |
| **d** | 5 × 5 | | |
| **e** | | 5 + 5 + 5 + 5 + 5 + 5 | |
| **f** | 7 × 5 | | |
| **g** | | 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 | 40 |
| **h** | | 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 | 45 |

2 Play the 5 times table card game. Your teacher will explain the rules.

# Term 3 Lesson 11

## 2 times table (1)

CLASSWORK

The Grade 2 class sits on benches. 2 children can sit on each bench. How many children each time?

Complete the table.

| | Benches | Number sentence | Answer |
|---|---|---|---|
| 1 | 1 bench | 1 × 2 = 2 | 2 children |
| 2 | 2 benches | 2 × 2 = 4 | 4 children |
| 3 | 3 benches | | |
| 4 | 4 benches | | |
| 5 | 5 benches | | |
| 6 | 6 benches | | |
| 7 | 7 benches | | |
| 8 | 8 benches | | |
| 9 | 9 benches | | |

HOMEWORK

If there are 6 children, how many feet are there altogether? _____

Draw a picture of the children showing the number of feet.

# Term 3 Lesson 12

## 2 times table (2)

What is the multiplication number sentence?

| | Repeated Addition | Multiplication |
|---|---|---|
| 1 | 2 + 2 + 2 = | |
| 2 | 2 + 2 + 2 + 2 + 2 = | |
| 3 | 2 + 2 + 2 + 2 + 2 + 2 + 2 = | |
| 4 | 2 + 2 + 2 + 2 = | |
| 5 | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = | |
| 6 | 2 + 2 = | |
| 7 | 2 + 2 + 2 + 2 + 2 + 2 = | |
| 8 | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = | |
| 9 | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = | |

## CLASSWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 6 × 2 | 2 + 2 + 2 + 2+ 2 + 2 | |
| 2 | 3 × 2 | | |
| 3 | | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 | |
| 4 | 5 × 2 | | |

## HOMEWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 4 × 2 | 2 + 2 + 2 + 2 | |
| 2 | 7 × 2 | | |
| 3 | | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 | |
| 4 | 10 × 2 | | |

# Term 3 Lesson 13

## Assessment

# Term 3 Lesson 14

## 3 times table (1)

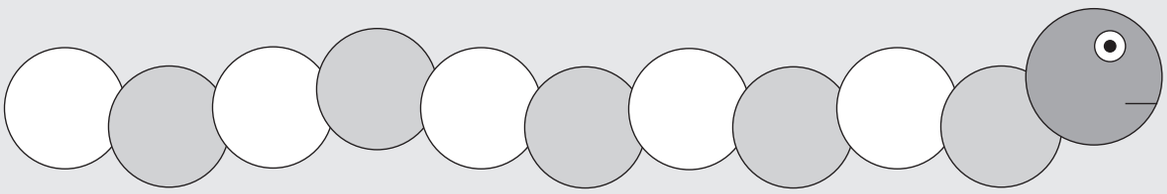
CLASSWORK

The Grade 2 class sits in groups. There are 3 children in each group. How many children each time?

Complete the table.

| | Groups | Number sentence | Answer |
|---|---|---|---|
| 1 | 1 group | 1 × 3 = 3 | 3 children |
| 2 | 2 groups | 2 × 3 = 6 | 6 children |
| 3 | 3 groups | | |
| 4 | 4 groups | | |
| 5 | 5 groups | | |
| 6 | 6 groups | | |
| 7 | 7 groups | | |
| 8 | 8 groups | | |
| 9 | 9 groups | | |

## HOMEWORK



Count in 3s starting from 0 and ending at 27.

Write your numbers inside the circles of the worm's body.

# Term 3 Lesson 15

## Consolidation

1 Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| **a** | 2 × 3 | 3 + 3 | |
| **b** | 3 × 2 | | |
| **c** | | 2 + 2 + 2 + 2 | |
| **d** | 5 × 3 | | |
| **e** | | 3 + 3 + 3 + 3 + 3 + 3 | |
| **f** | 7 × 2 | | |
| **g** | | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 | 24 |
| **h** | | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 | 18 |

2 Arrange these numbers from the biggest to the smallest: 21, 12, 18, 24, 15.

_____

3 Play the 2 times table card game. Your teacher will explain the rules.

# Term 3 Lesson 16

## 3 times table (2)

What is the multiplication number sentence?

| | Repeated Addition | Multiplication |
|---|---|---|
| 1 | 3 + 3 = | |
| 2 | 3 + 3 + 3 + 3 + 3 + 3 = | |
| 3 | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = | |
| 4 | 3 + 3 + 3 + 3 = | |
| 5 | 3 + 3 + 3 + 3 + 3 = | |
| 6 | 3 + 3 + 3 + 3 + 3 + 3 + 3 = | |
| 7 | 3 + 3 + 3 = | |
| 8 | 3 + 3 + 3 + 3 + 3 + 3+ 3 + 3 + 3+ 3 = | |
| 9 | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = | |

## CLASSWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 3 × 3 | 3 + 3 + 3 | |
| 2 | 5 × 3 | | |
| 3 | | 3 + 3 + 3 + 3 + 3+ 3 + 3 + 3 | |
| 4 | 10× 3 | | |

## HOMEWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 4 × 3 | 3 + 3 + 3 + 3 | |
| 2 | 6 × 3 | | |
| 3 | | 3 + 3 + 3 + 3 + 3+ 3 + 3 + 3 + 3 | |
| 4 | 7× 3 | | |

# Term 3 Lesson 17

## 4 times table (1)

CLASSWORK

The Grade 2 class sits in groups. There are 4 children in each group. How many children each time?

Complete the table.

| | Groups | Number sentence | Answer |
|---|---|---|---|
| 1 | 1 group | 1 × 4 = 4 | 4 children |
| 2 | 2 groups | 2 × 4 = 8 | 8 children |
| 3 | 3 groups | | |
| 4 | 4 groups | | |
| 5 | 5 groups | | |
| 6 | 6 groups | | |
| 7 | 7 groups | | |
| 8 | 8 groups | | |
| 9 | 9 groups | | |

HOMEWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 2 × 4 | 4 + 4 | |
| 2 | 4 × 4 | | |
| 3 | | 4 + 4 + 4 + 4 + 4 | |
| 4 | 6 × 4 | | |
| 5 | | 4 + 4 + 4 + 4 + 4 + 4+ 4 + 4 | |

# Term 3 Lesson 18

## 4 times table (2)

What is the multiplication number sentence?

| | Repeated Addition | Multiplication |
|---|---|---|
| 1 | 4 + 4 = | |
| 2 | 4 + 4 + 4 + 4 + 4 + 4 = | |
| 3 | 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = | |
| 4 | 4 + 4 + 4 + 4 = | |
| 5 | 4 + 4 + 4 + 4 + 4 = | |
| 6 | 4 + 4 + 4 + 4 + 4 + 4 + 4 = | |
| 7 | 4 + 4 + 4 = | |
| 8 | 4 + 4 + 4 + 4 + 4 + 4+ 4 + 4 + 4+ 4 = | |
| 9 | 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = | |

## CLASSWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 4 × 4 | 4 + 4 + 4 + 4 | |
| 2 | 6 × 4 | | |
| 3 | | 4 + 4 + 4 + 4 + 4 + 4 | |
| 4 | 8 × 4 | | |

## HOMEWORK

Complete the table. Write repeated addition as multiplication.

| | Multiplication | Repeated addition | Answer |
|---|---|---|---|
| 1 | 3 × 4 | 4 + 4 + 4 | |
| 2 | 7 × 4 | | |
| 3 | | 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 | |
| 4 | 10 × 4 | | |

# Term 3 Lesson 19

## Assessment

# Term 3 Lesson 20

## Consolidation

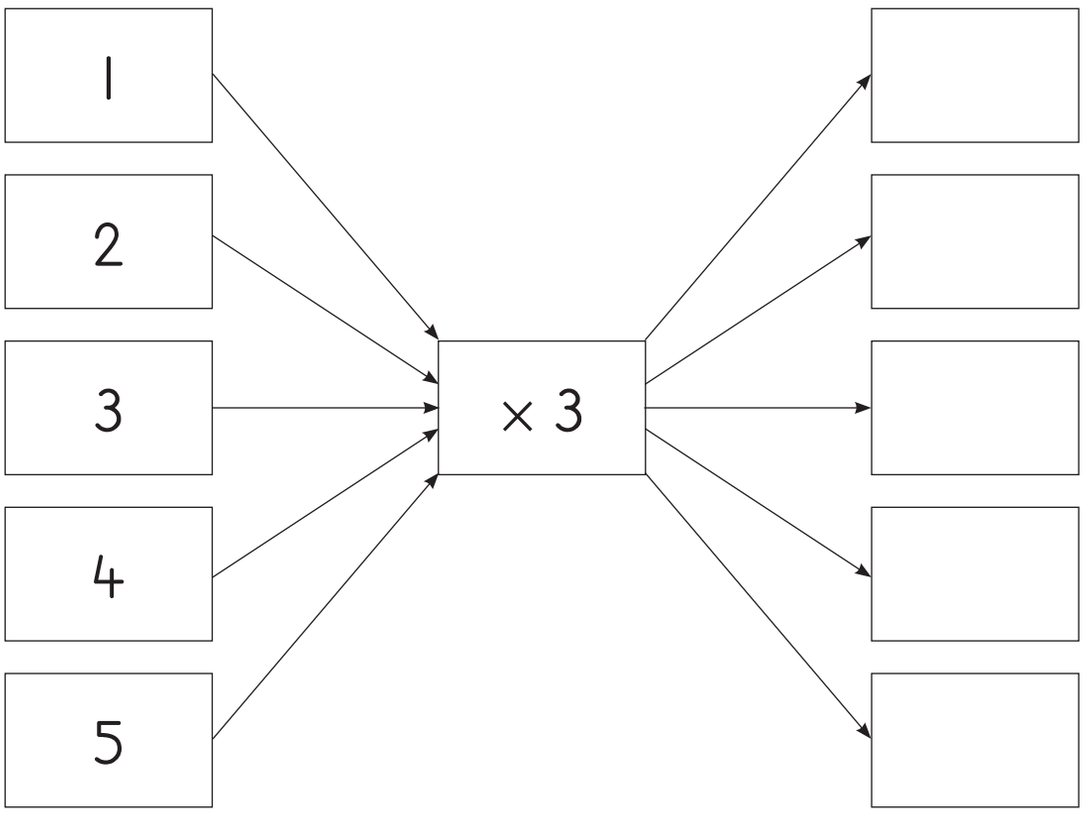
1 Complete the table.

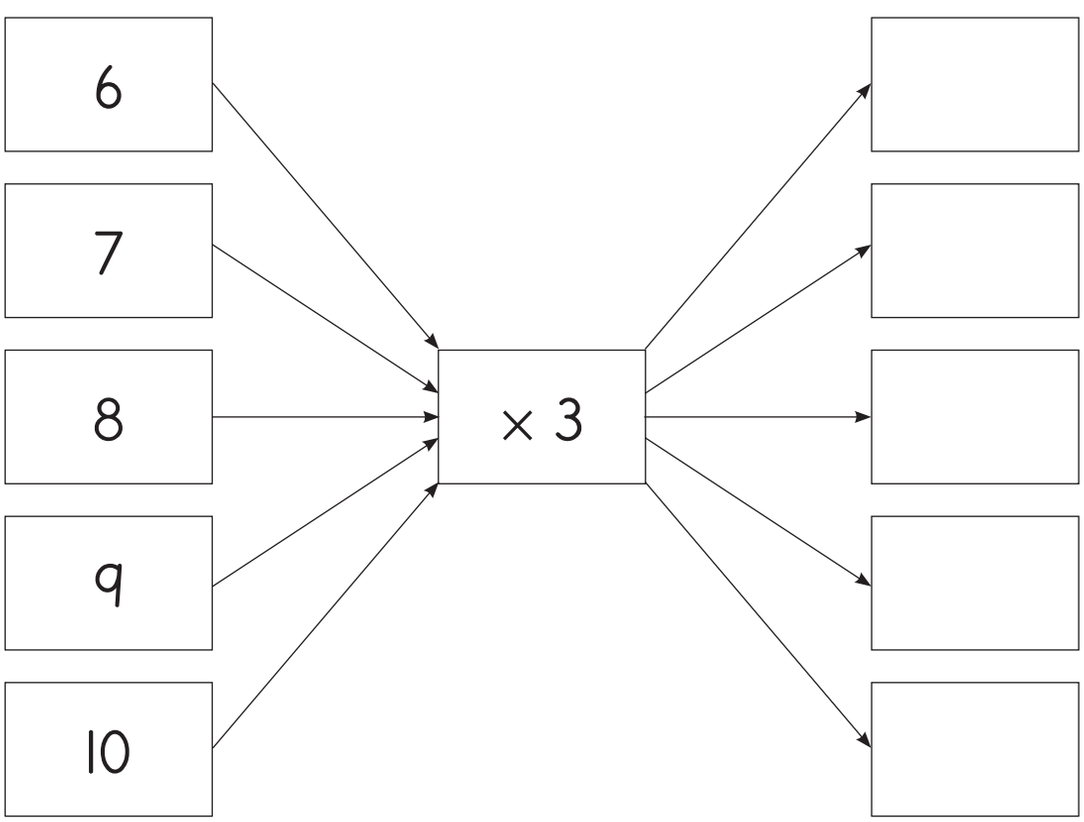
| | 1 | | 3 | 4 | | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| × 4 | | 8 | | | 20 | | | | |

2 Complete the table.

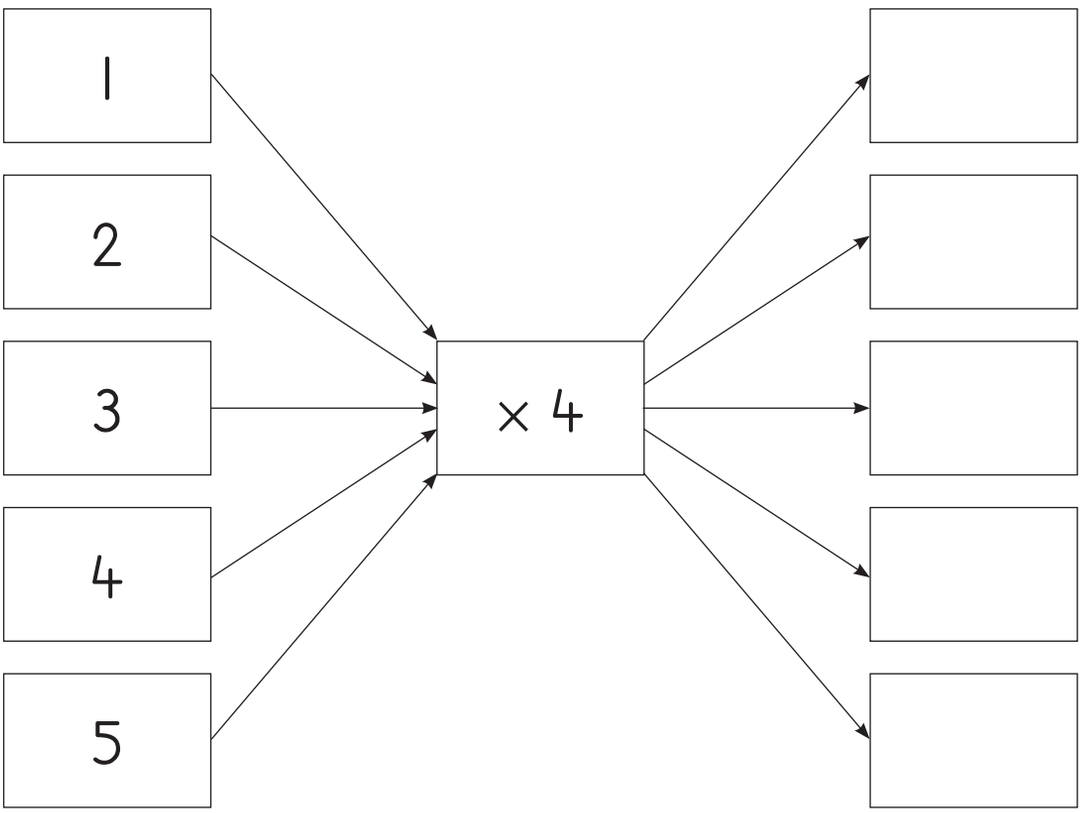
| | 1 | | 3 | 4 | | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| × 3 | | 6 | | | 15 | | | | |

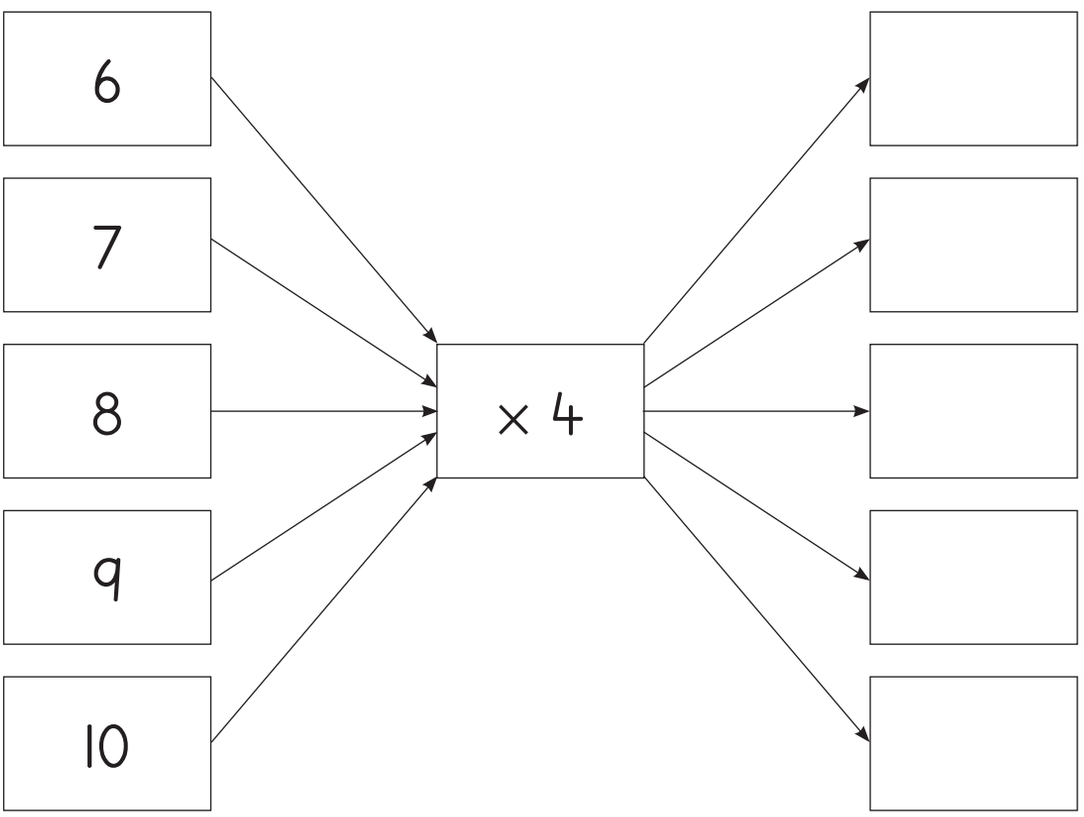
3 Complete



4 Complete




5 Play the 3 and 4 times table card games. Your teacher will explain the rules.

# Term 3 Lesson 21

## Multiplication using arrays

CLASSWORK

1 Mangoes are R5 each. Thompho buys 3 mangoes. How much does she pay?

a Number sentence: _____ .

b She pays R _____ .

2 I have 4 packets of sweets. There are 2 sweets in each packet. How many sweets do I have?

a Number sentence: _____ .

b You have _____ sweets.

HOMEWORK

Complete the table.

| | | Reverse the factors |
|---|---|---|
| 1 | 4 × 3 = 12 | 3 × 4 = 12 |
| 2 | 5 × 2 = 10 | |
| 3 | 3 × 2 = 6 | |
| 4 | 4 × 1 = 4 | |
| 5 | 3 × 5 = 15 | |

# Term 3 Lesson 22

## Creating multiplication stories

CLASSWORK

1 Learners arrange the multiplication cards in order for the following times tables:

   **a** × 2

   **b** × 3

   **c** × 4

   **d** × 5

2 Play the 2 to 5 multiplication card game. Your teacher will explain the rules.

HOMEWORK

| | What is … ? | Answer |
|---|---|---|
| **a** | 5 × 2 = | |
| **b** | 3 × 3 = | |
| **c** | 5 × 4 = | |
| **d** | 1 × 5 = | |
| **e** | 2 × 4 = | |

# Term 3 Lesson 23

## Multiplication word problems (1)

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | 1 | 2 | | | |
| 2 | 2 | 4 | | | |
| 3 | 3 | 6 | | | |
| 4 | 4 | 8 | | | |
| 5 | 5 | 10 | | | |
| 6 | 6 | 12 | | | |
| 7 | 7 | 14 | | | |
| 8 | 8 | 16 | | | |
| 9 | 9 | 18 | | | |
| 10 | 10 | 20 | | | |

## CLASSWORK

Play the 2 to 5 multiplication card game. Your teacher will explain the rules.

## HOMEWORK

Complete the following table.

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

# Term 3 Lesson 24

## Multiplication word problems (2)

### CLASSWORK

Play the 2 to 5 multiplication card game. Your teacher will explain the rules.

### HOMEWORK

| | What is ... ? | Answer |
|---|---|---|
| **a** | 5 × 4 = | |
| **b** | 3 × 5 = | |
| **c** | 5 × 2 = | |
| **d** | 7 × 4 = | |
| **e** | 6 × 3 = | |

# Term 3 Lesson 25

## Consolidation

1 There are 5 groups of children. There are 3 children in each group. How many children are there altogether?

2 Calculate using the multiplication tables.

a 9 × 2 = _____

b 8 × 3 = _____

c 8 × 2 = _____

d 7 × 4 = _____

e 7 × 2 = _____

f 9 × 4 = _____

g 7 × 5 = _____

h 7 × 3 = _____

i 9 × 3 = _____

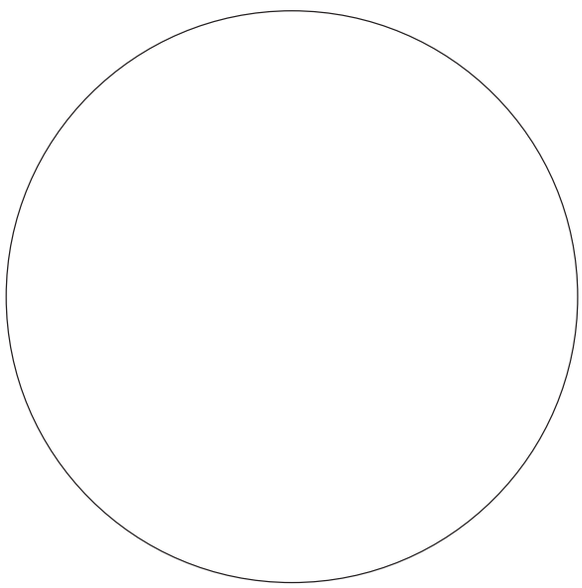
j 6 × 4 = _____

# Term 3 Lesson 26

## Assessment

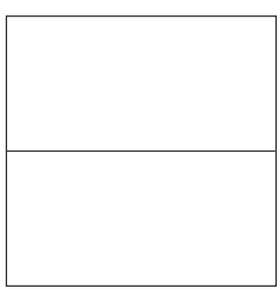
# Term 3 Lesson 27

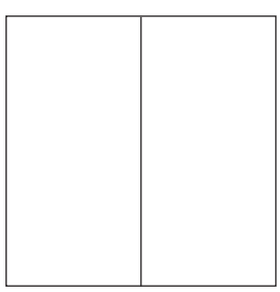
## Fractions - Half

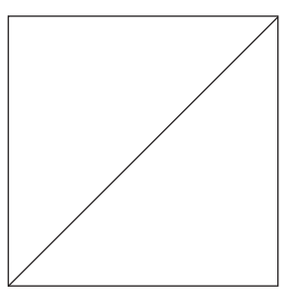


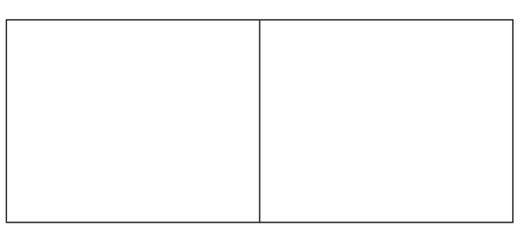
CLASSWORK

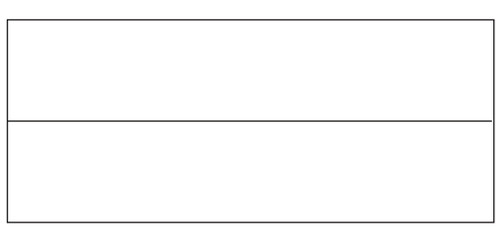
1 Shade in $\frac{1}{2}$ of each shape.

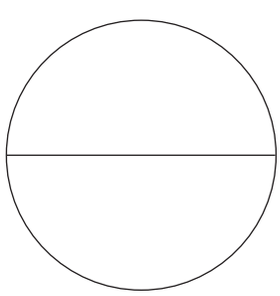
a 

b 

c 

d 

e 

f 

2 Serebolo and Mbali share 1 chocolate bar so they each get the same amount. Mbali says that they must each get one half. Is she correct? Draw a picture to show your answer.

HOMEWORK

Draw a picture of a round cake. Share the cake equally between you and your friend Ntombi.

# Term 3 Lesson 28

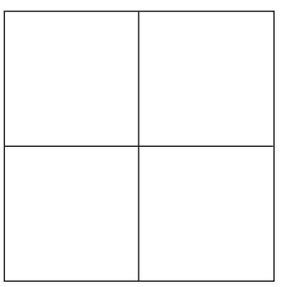
## Fractions - Quarter

### CLASSWORK

Shade $\frac{1}{4}$ of each shape.

a

b



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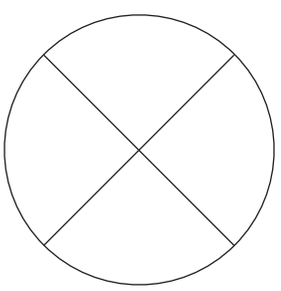

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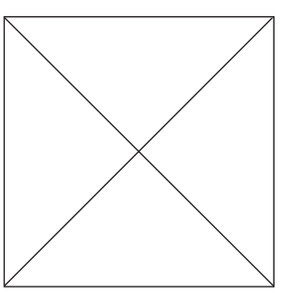


### HOMEWORK

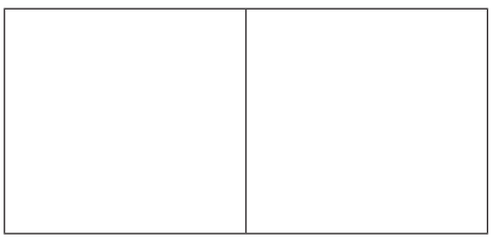
I cut an apple into quarters. How many children can get the same size piece of the apple?

# Term 3 Lesson 29

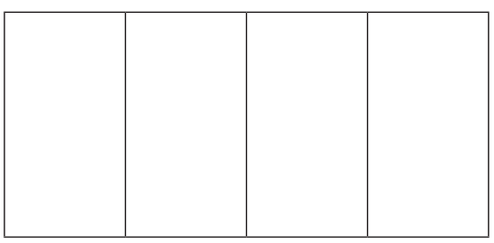
## Fractions - Eighth

### CLASSWORK

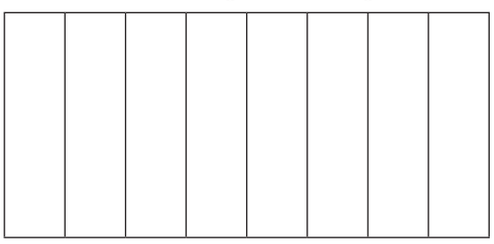
1 Divide the rectangle into halves. Shade in $\frac{1}{2}$.



2 Divide the rectangle into quarters. Shade in $\frac{1}{4}$.

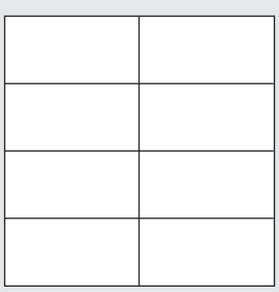


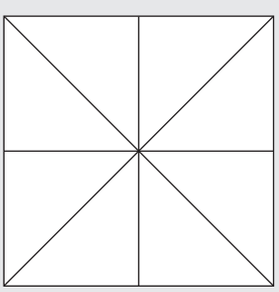
3 Divide a rectangle into eighths. Shade in $\frac{1}{8}$.

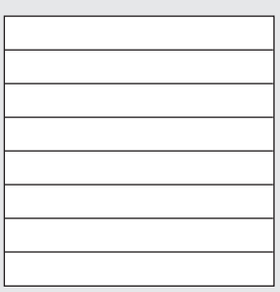


### HOMEWORK

Shade in $\frac{1}{8}$ of each square.

a 

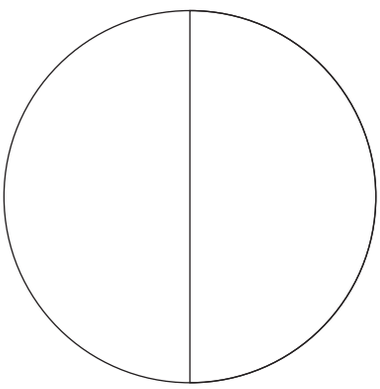
b 

c 

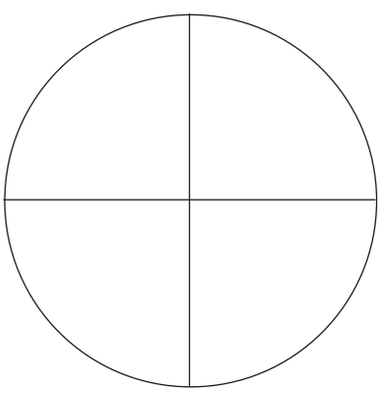
# Term 3 Lesson 30

## Consolidation

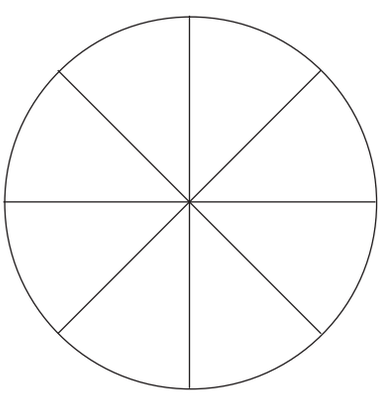
1 Shade in $\frac{1}{2}$ of the circle.



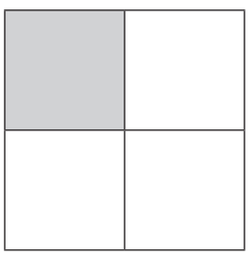
2 Shade in $\frac{1}{4}$ of the circle.



3 Shade in $\frac{1}{8}$ of the circle.



4 What fraction of the shape is shaded?

a 

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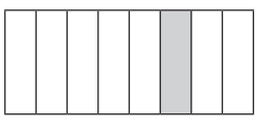
b 

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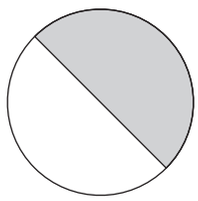
c 

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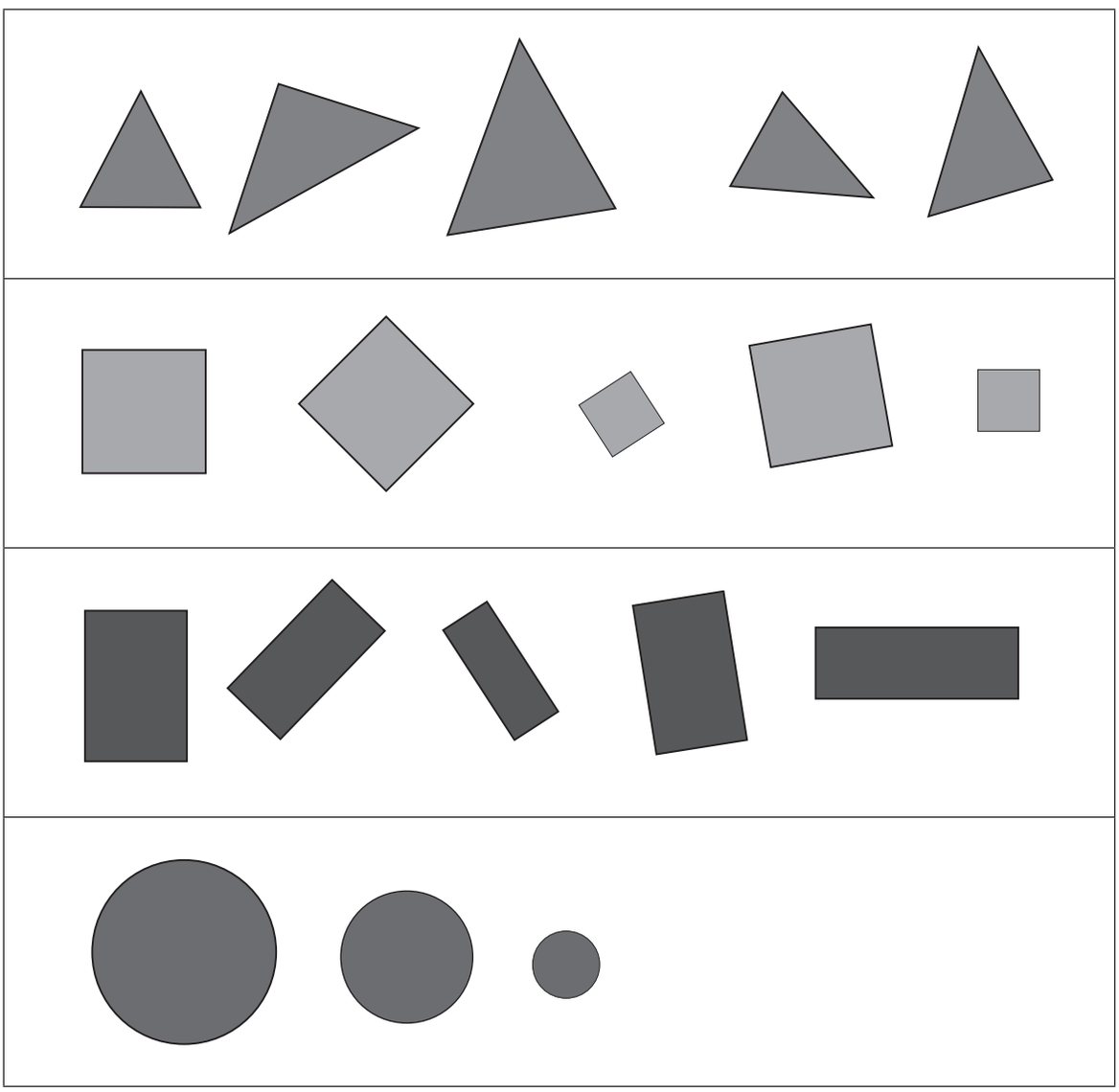
# Term 3 Lesson 31

## Assessment

# Term 3 Lesson 32

## 2-D shapes (I)



CLASSWORK

1 Draw a square in two different positions.

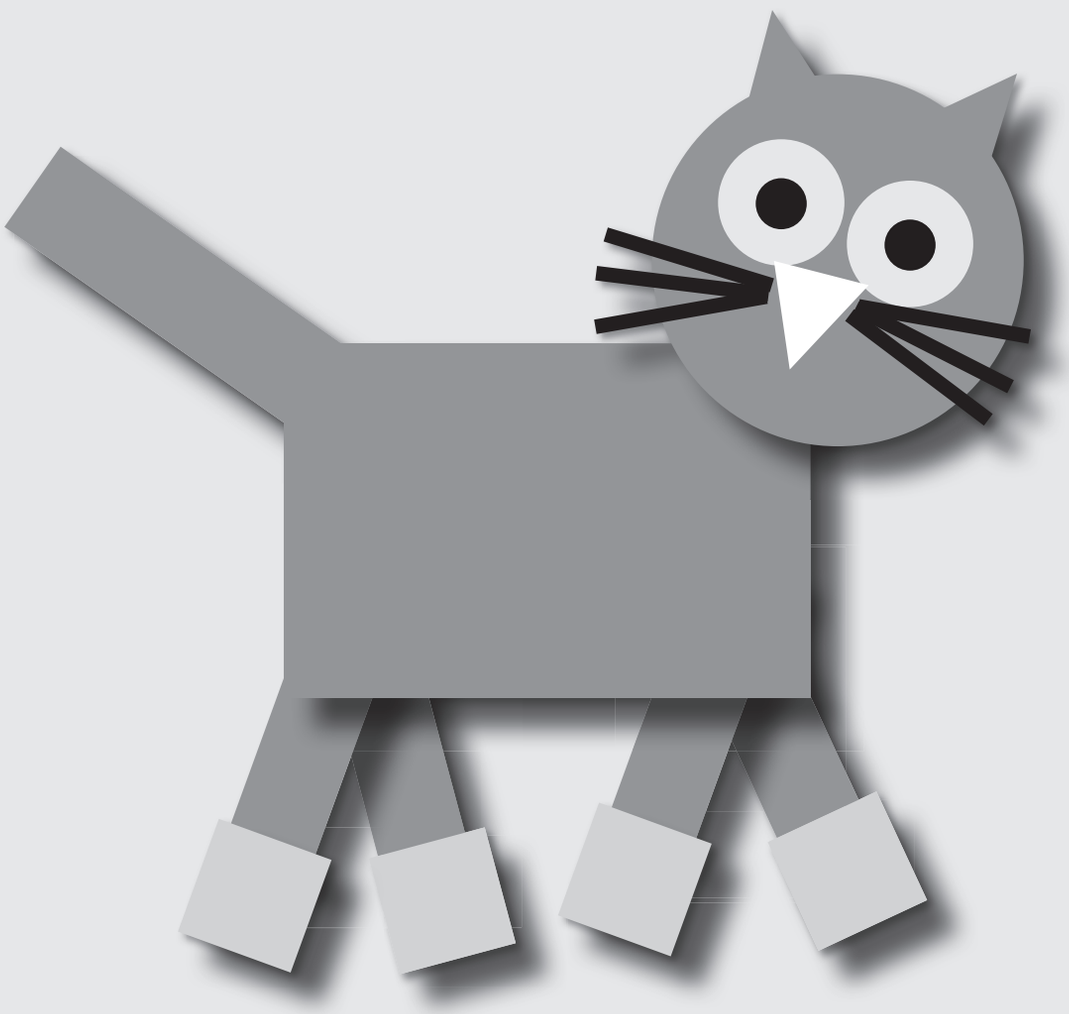
2 Draw a triangle in two different positions.

3 Draw a picture using different shapes. Count how many triangles, squares and rectangles were used in the picture.

4 Colour your picture using the colours red, blue, yellow and green.

HOMEWORK

1 Count the shapes in the drawing:



a Triangles _____ .

b Squares _____ .

c Rectangles _____ .

d Circles _____ .

2 If you change the position of a shape does the shape change? _____

# Term 3 Lesson 33

## 2-D shapes (2)

CLASSWORK

1 Draw and name two shapes with straight sides.

2 Draw and name a shape with round sides.

3 Use all the shapes you know of with straight sides to draw your own picture.

4 Use all the shapes you know of with round sides to draw your own picture.

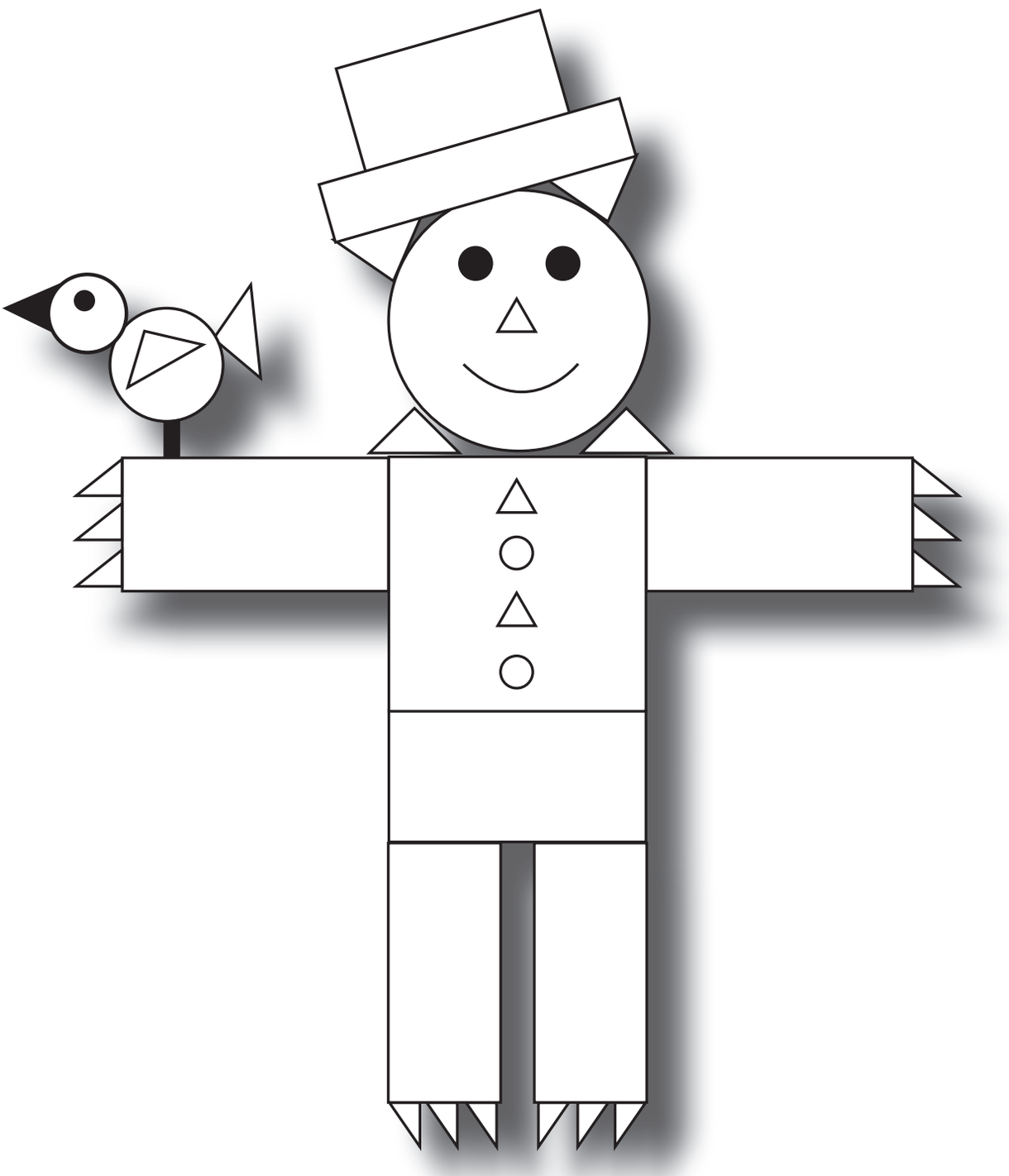
5 Choose one shape with straight sides and one shape with round sides to make your own pattern.

HOMEWORK

Design a car using the following shapes: 2 circles, 2 rectangles, 3 squares and 2 triangles.

# Term 3 Lesson 34

## 2-D shapes (3)



CLASSWORK

1 Find the following words in the word search and colour each word in a different colour:

circle, triangle, square, rectangle.

| i | i | t | h | a | p | m | l | y | Z |
|---|---|---|---|---|---|---|---|---|---|
| d | e | r | t | r | i | r | g | z | M |
| u | t | i | v | e | i | a | t | b | p |
| l | n | a | a | c | i | r | c | l | e |
| f | k | n | x | t | i | z | t | q | s |
| g | d | g | z | a | w | d | k | l | q |
| y | d | l | n | n | p | j | f | d | u |
| f | y | e | e | g | a | c | t | q | a |
| c | i | r | c | l | e | r |  | c | r |
| e | a | j | a | e | a | j | r | l | e |

2 Draw and label the shapes that you have identified in the word search.

3 What is the difference between a square and a triangle?

4 What is the difference between a circle and a square?

5 Draw three squares of different size, from smallest to biggest.

6 Draw three circles of different size, from smallest to biggest.

HOMEWORK

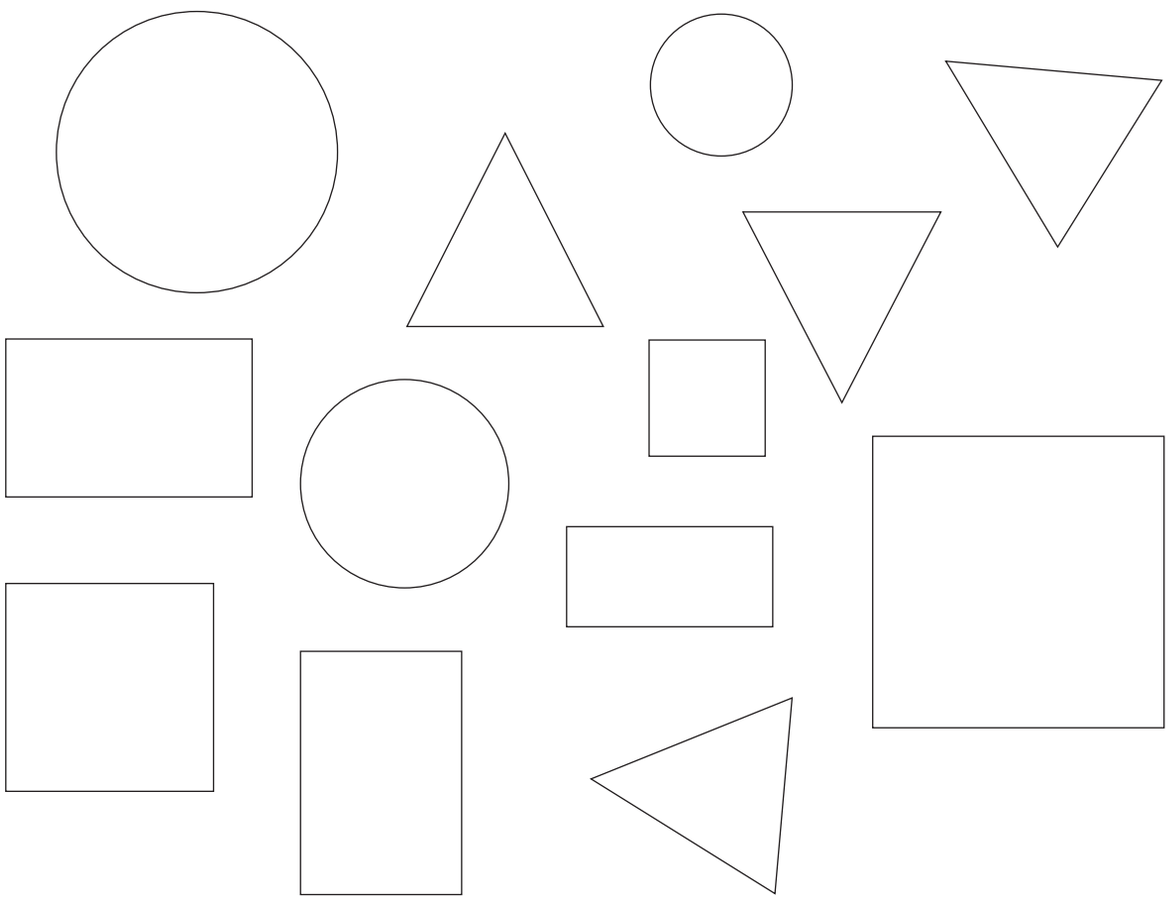
1 Draw three triangles of different size, from smallest to biggest.

2 Draw three rectangles of different size, from smallest to biggest.

# Term 3 Lesson 35

## Consolidation

1 Colour the squares red, the triangles green, the circles blue and the rectangles yellow.



2 How many triangles are there? _____

3 How many circles are there? _____

4 How many rectangles are there? _____

5 How many squares are there? _____

6 Write on each shape whether the sides are round or straight.

# Term 3 Lesson 36

## 2-D shapes (4)

CLASSWORK

1 Draw a house using the following shapes:

- **a** 2 circles
- **b** 4 rectangles
- **c** 1 triangle
- **d** 2 squares

2 Colour the shapes in the house in the following way:

- **a** One red circle
- **b** One green rectangle
- **c** One yellow triangle
- **d** One blue square

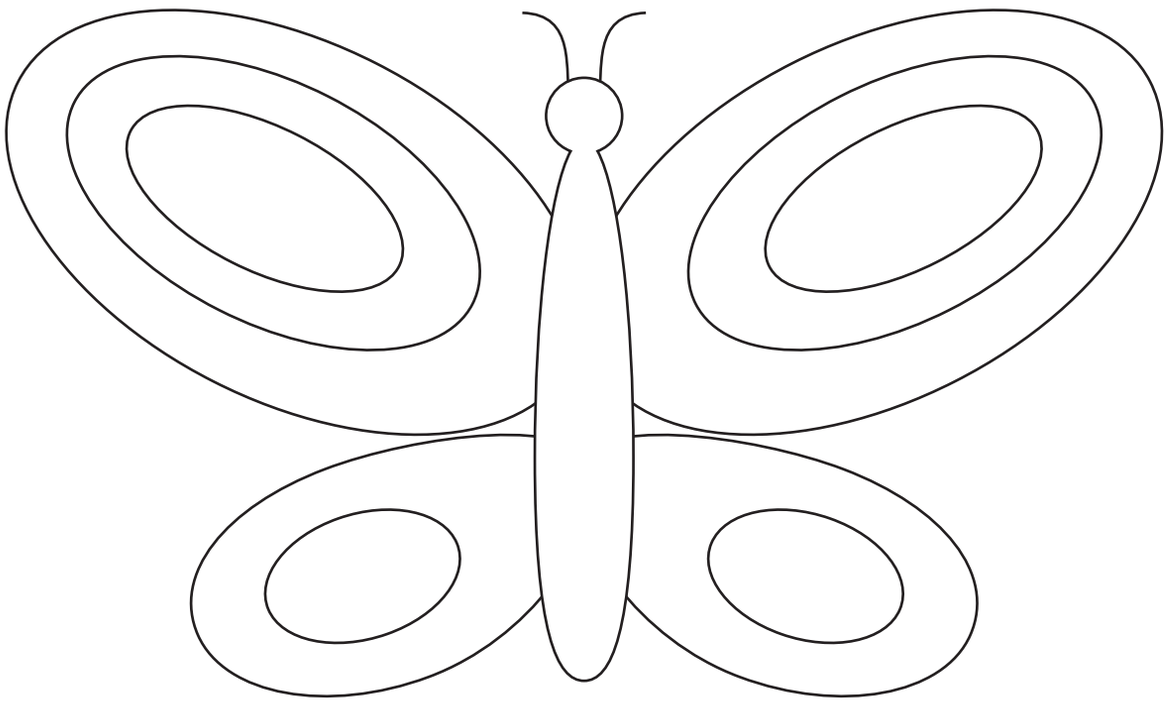
## HOMEWORK

1 Draw a picture using different shapes and colour it in any way you choose.

2 Write about how you coloured your shapes.

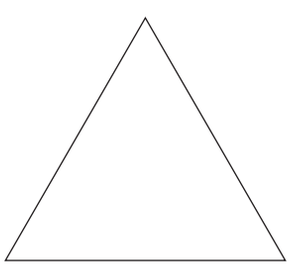
# Term 3 Lesson 37

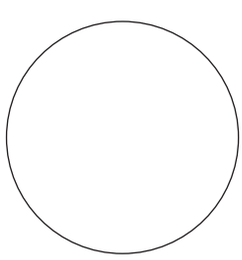
## Symmetry (I)

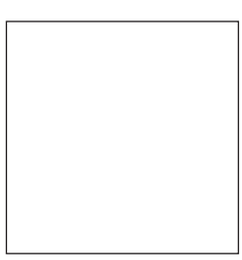


CLASSWORK

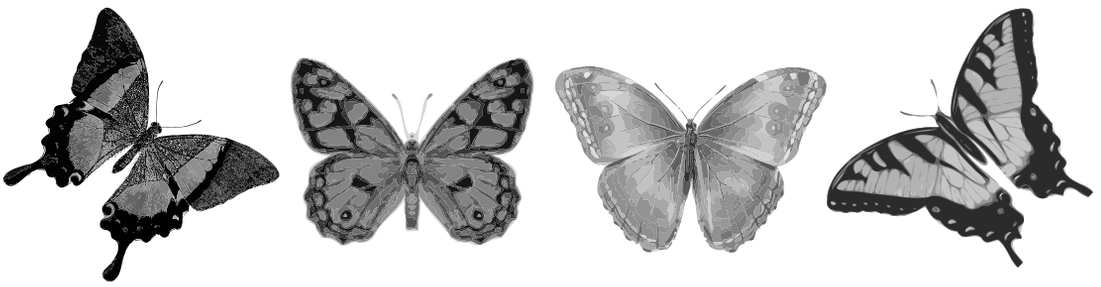
1 Draw lines of symmetry on the following shapes.







2 Draw the lines of symmetry in these butterflies.



3 Draw a circle.

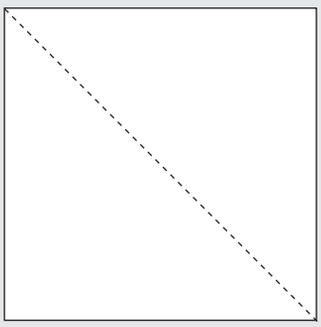
How many lines of symmetry can you draw on a circle? _____

4 Draw a face.

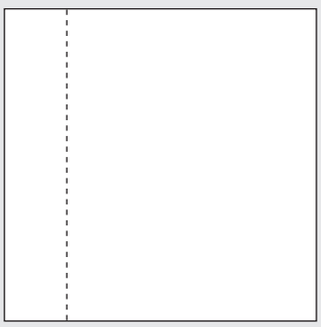
How many lines of symmetry can you draw on a face? _____

HOMEWORK

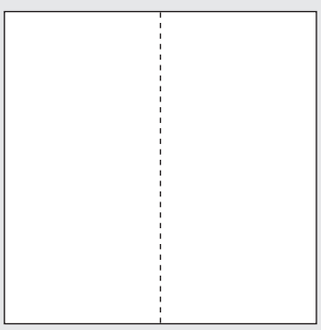
Do the drawings below show a line of symmetry? Answer yes or no each time.

a 

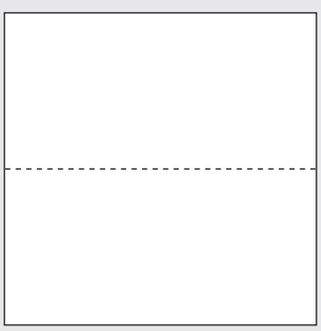
_____

b 

_____

c 

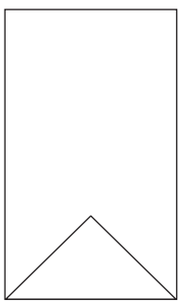
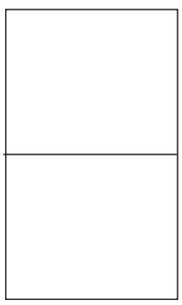
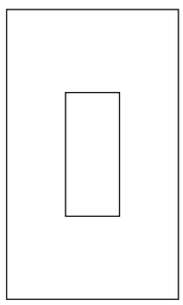
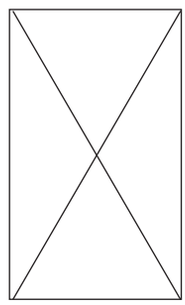
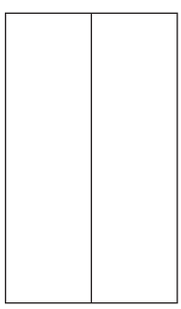
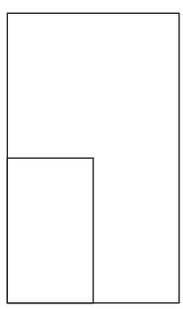
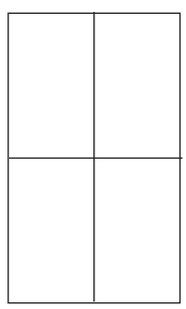
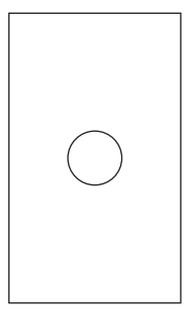
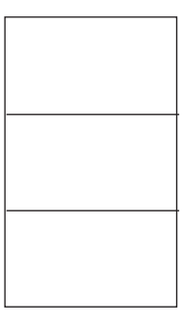
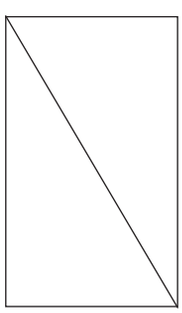
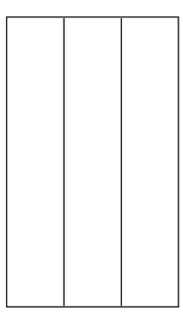
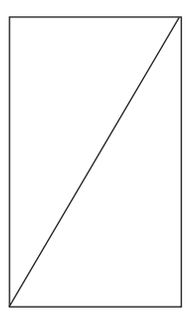
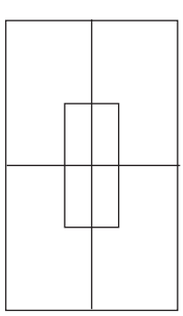
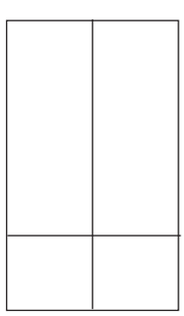
_____

d 

_____

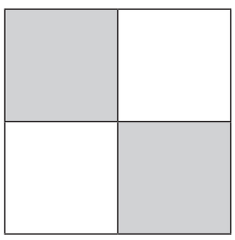
# Term 3 Lesson 38

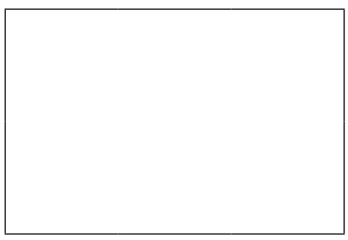
## Symmetry (2)

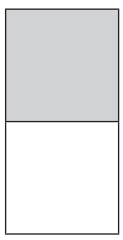















CLASSWORK

1 How many lines of symmetry can you draw in these shapes? Draw them.

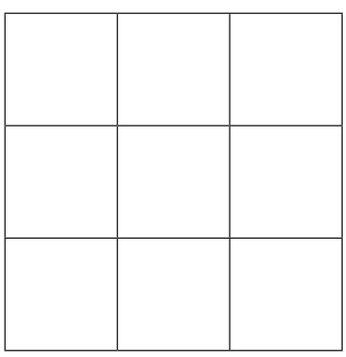
a 

b 

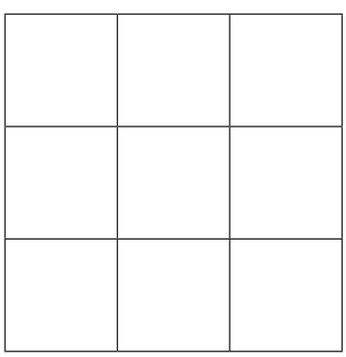
c 

2 Use the grid to make a symmetrical design.

a Make a pattern in it that has 2 lines of symmetry.



b Make a pattern in it that has 4 lines of symmetry.



## HOMEWORK

1 Draw a shape with:

a One line of symmetry.

b Two lines of symmetry.

c Four lines of symmetry.

2 Draw the lines of symmetry in your shapes.

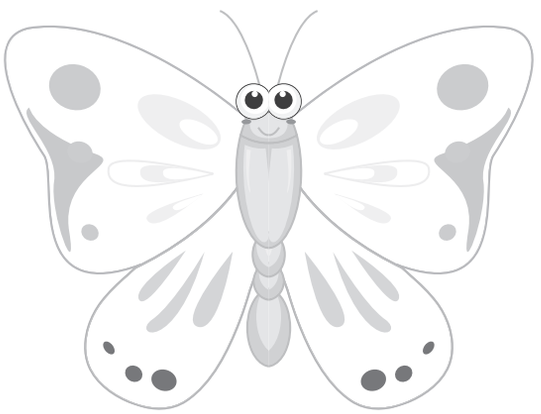
# Term 3 Lesson 39

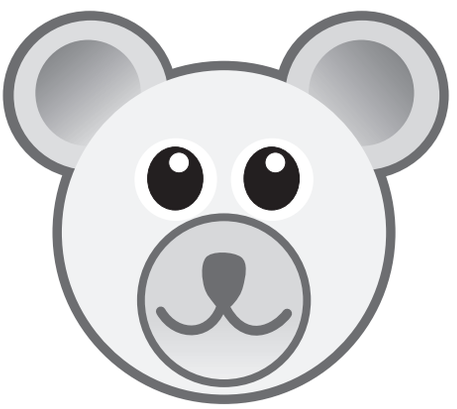
## Assessment

# Term 3 Lesson 40

## Consolidation

1 Draw a line of symmetry through each of the following pictures:



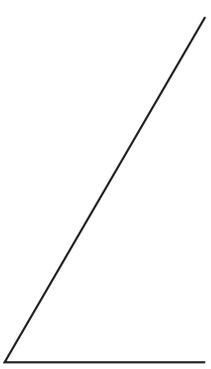


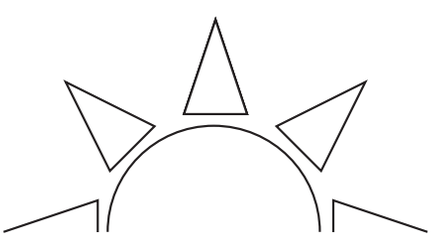
2 Colour each side of the picture a different colour.

3 Complete these pictures by:

a Drawing the exact other half.

b Drawing in the line of symmetry.





4 Draw a circle, a triangle and a rectangle. Draw the line of symmetry in each shape.

# Term 3 Lesson 41

## Symmetry (3)

CLASSWORK

1 Draw the following objects in the correct column of the table, using symmetry to make your choices: shoe, circle, banana, triangle, square, rectangle, knife, car.

| Symmetrical objects | Non-symmetrical objects |
|---|---|
| | |
| | |
| | |
| | |

2 Draw the lines of symmetry on the objects in the column.

3 Draw in the lines of symmetry in these letters.

B M H

HOMEWORK

1 Write your name in capital letters.

2 Which letters in your name are symmetrical?

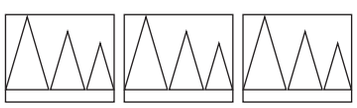
3 Draw the letters which you think are symmetrical and draw in the lines of symmetry for these letters.

# Term 3 Lesson 42

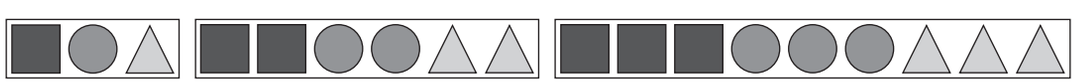
## Geometric patterns (I)

CLASSWORK

1 Draw the next set of shapes in the patterns given below:

a  _____ _____ _____

b  ____ ____ ____ ____

c 

_____

2 Extend these patterns.

a ♡♡○♡♡ ♡♡○♡♡ _____

b ☽○○☽○ ☽○○☽○ _____

c ☆□☆□☆ ☆□☆□☆ _____

3 Draw your own pattern of squares that grows in a regular way.

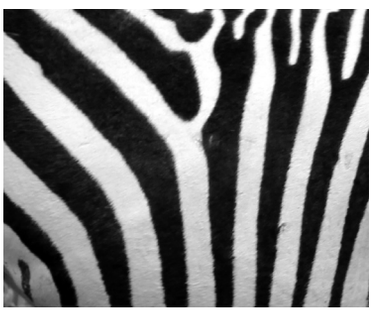
HOMEWORK

Draw your own pattern using shapes.

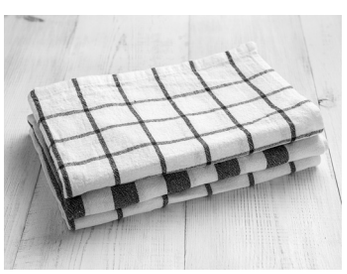
# Term 3 Lesson 43

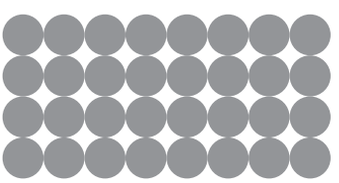
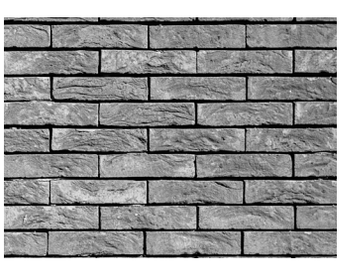
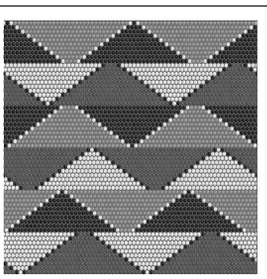
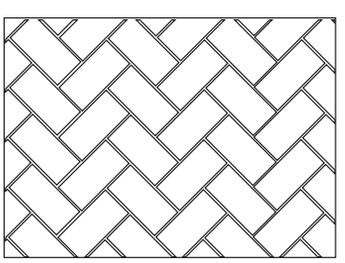
## Geometric patterns (I)

Patterns in nature.

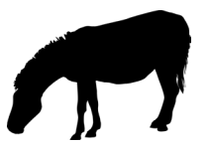

Patterns around us.



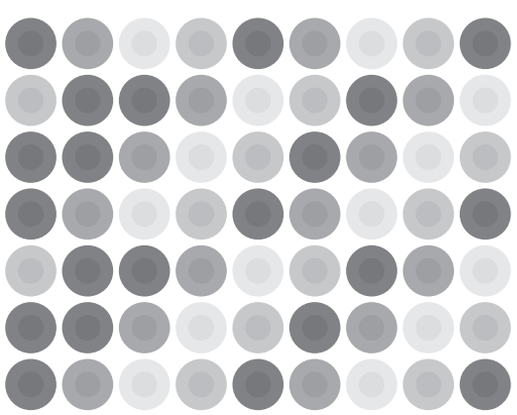
## CLASSWORK

1 Match the animal to the animal skin pattern.

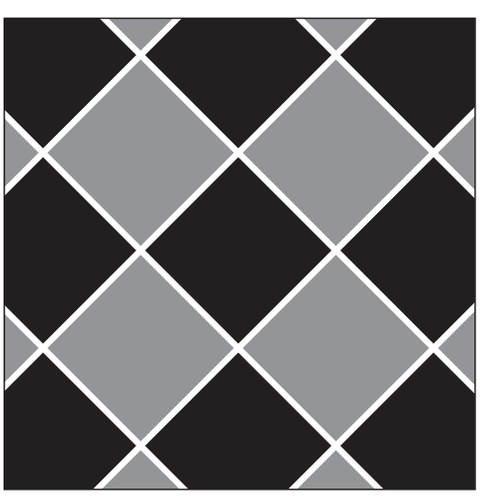


2 Describe the following patterns. Use the key words to help you.

a Circle, size, equal.



b Lines, straight, cross.



HOMEWORK

Design your own geometric pattern using squares and triangles.

# Term 3 Lesson 44

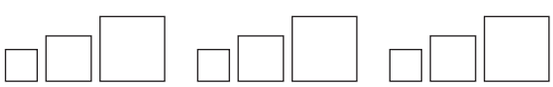
## Assessment

# Term 3 Lesson 45

## Consolidation

1 Draw the next set of shapes in the given patterns.

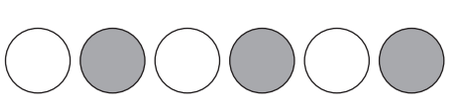
a  _____ _____ _____

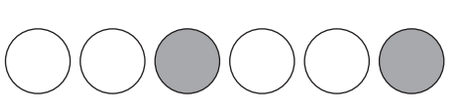
b  _____ _____ _____

c  ____ ____ ____ ____ ____ ____

d  _____ _____ _____

2 Draw the next set of shapes in the given pattern.

a  _____ _____

b  _____ _____ _____

c  _____ _____ _____

d  _____ _____ _____

# Term 3 Lesson 46

## Telling the time

CLASSWORK

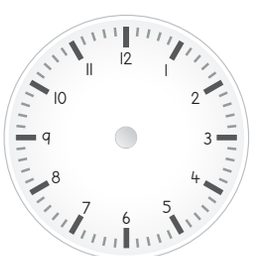
Show the following times on the clock faces.

**a** 11 o'clock.

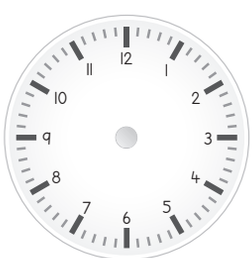
**b** 9 o'clock.

**c** 2 o'clock.

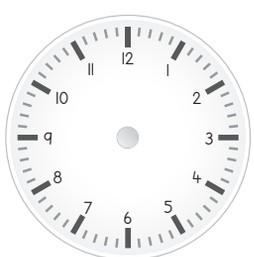
**d** 3 o'clock.



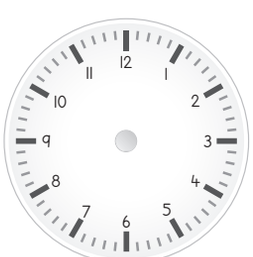
**e** Half past 9.



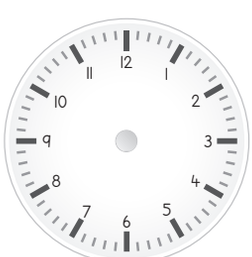
**f** Half past 11.



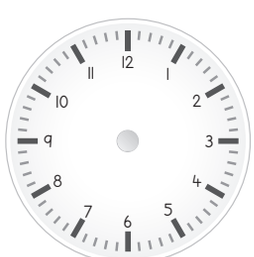
**g** Half past 4.



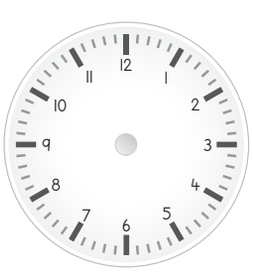
**h** Quarter past 10.



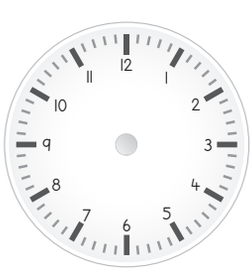
**i** Quarter to 3.



**j** Quarter past 2.



**k** Quarter to 7.



## HOMEWORK

1 Which comes first, quarter to 10 or 10 o'clock? _____

2 Which comes first, quarter to 11 or quarter past 11? _____

3 Draw a picture of something you do at 7 o'clock in the morning.

# Term 3 Lesson 47

## Calendars

| December | | | | | | |
|---|---|---|---|---|---|---|
| Su | Mo | Tu | We | Th | Fr | Sa |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

CLASSWORK

| September | | | | | | |
|---|---|---|---|---|---|---|
| Su | Mo | Tu | We | Th | Fr | Sa |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

Refer to the calendar month of September above.

a Put a triangle on 26 September to indicate the Mathematics quiz.

b Put a square on 12 September to indicate the school play.

c Put a red circle around 24 September to indicate a public holiday, and discuss this public holiday (Heritage Day) with your peers.

d Put a rectangle on 15 September to indicate the sports day.

e Put a circle around all the Sundays.

f How many days are there in September? _____

g How many days from Heritage Day to the Mathematics quiz day?

_____

h How many days between the school play and the sports day?

_____

HOMEWORK

1 Which is the first month of the year? _____

2 Which two months come between April and July? _____

3 Which is the last month of the year? _____

# Term 3 Lesson 48

## Time passed

### CLASSWORK

1 How many hours are there between 8 o'clock and 10 o'clock? _____

2 How many hours are there between 10 o'clock and 12 o'clock? _____

3 It is the 1st of September. School breaks up on the 13th of September.

How many days until break up day? _____

4 It is the 26th of December. How many days are there until the 1st of January?

_____

### HOMEWORK

1 How many hours are there between 4 o'clock and 8 o'clock? _____

2 How many hours are there between 8 o'clock and 11 o'clock? _____

3 It is the 1st of June. Your birthday is on the 12th of June. How many days are there until your birthday?

_____

# Term 3 Lesson 49

## Assessment

# Term 3 Lesson 50

## Consolidation

1 What is the time on these clocks?

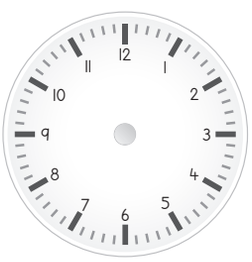



_____ _____ _____ _____

2 Draw clocks showing the following times:

a Six o'clock.

b Half past one.



c Quarter to twelve.

3 Which month has fewer days- November or December? _____

4 What was the date 3 days ago? _____

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

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

## 3 Array diagram (lesson 21 and other)

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

## 4. Multiplication table (lesson 23 and 24)

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 |
| 2 | 2 | 4 | 6 | 8 | 10 |
| 3 | 3 | 6 | 9 | 12 | 15 |
| 4 | 4 | 8 | 12 | 16 | 20 |
| 5 | 5 | 10 | 15 | 20 | 25 |
| 6 | 6 | 12 | 18 | 24 | 30 |
| 7 | 7 | 14 | 21 | 28 | 35 |
| 8 | 8 | 16 | 24 | 32 | 40 |
| 9 | 9 | 18 | 27 | 36 | 45 |
| 10 | 10 | 20 | 30 | 40 | 50 |

# 5 Shape cut outs (lesson 32 and other)