MATHEMATICS

Grade 3

English

Learner Activity Book

2020 TERM 2

Introduction

This resource pack has fifty numbered daily activities for classwork and homework. The activities correspond to the activities in the lesson plans. 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 2 Lesson 1

Multiplication tables up to 5

CLASSWORK

1 Learners arrange the multiplication cards in order for the following times tables:
   - **a** × 1
   - **b** × 2
   - **c** × 3
   - **d** × 4
   - **e** × 5

2 Play the 1 to 5 multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

	Multiplication	Repeated addition	Answer
1	4 × 3	3 + 3 + 3 + 3	
2	5 × 4		
3		2 + 2 + 2 + 2	
4	5 × 3		

Term 2 Lesson 2

Multiplication using array diagrams

CLASSWORK

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

- **a** × 1
- **b** × 2
- **c** × 3
- **d** × 4
- **e** × 5

2 Play the 1 to 5 multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

	Multiplication	Repeated addition	Answer
1	6 × 4	4 + 4 + 4 + 4 + 4 + 4	
2		6 + 6 + 6 + 6	
3		5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	
4	5 × 9		

Term 2 Lesson 3

The 6 times table

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

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

Term 2 Lesson 4

The 6 times table

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

	Multiplication	Repeated addition	Answer
1	9 × 6	6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6	
2	8 × 6		
3		6 + 6	
4	3 × 6		
5		6 + 6 + 6 + 6	

Term 2 Lesson 5

Consolidation

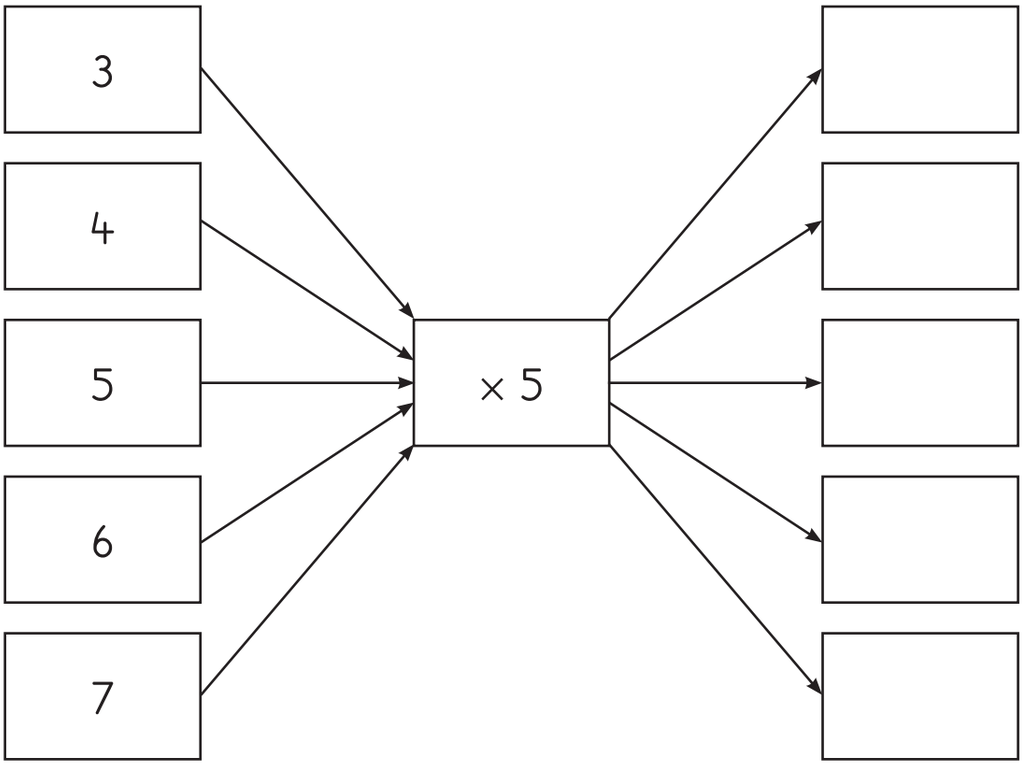
1 Complete the table:

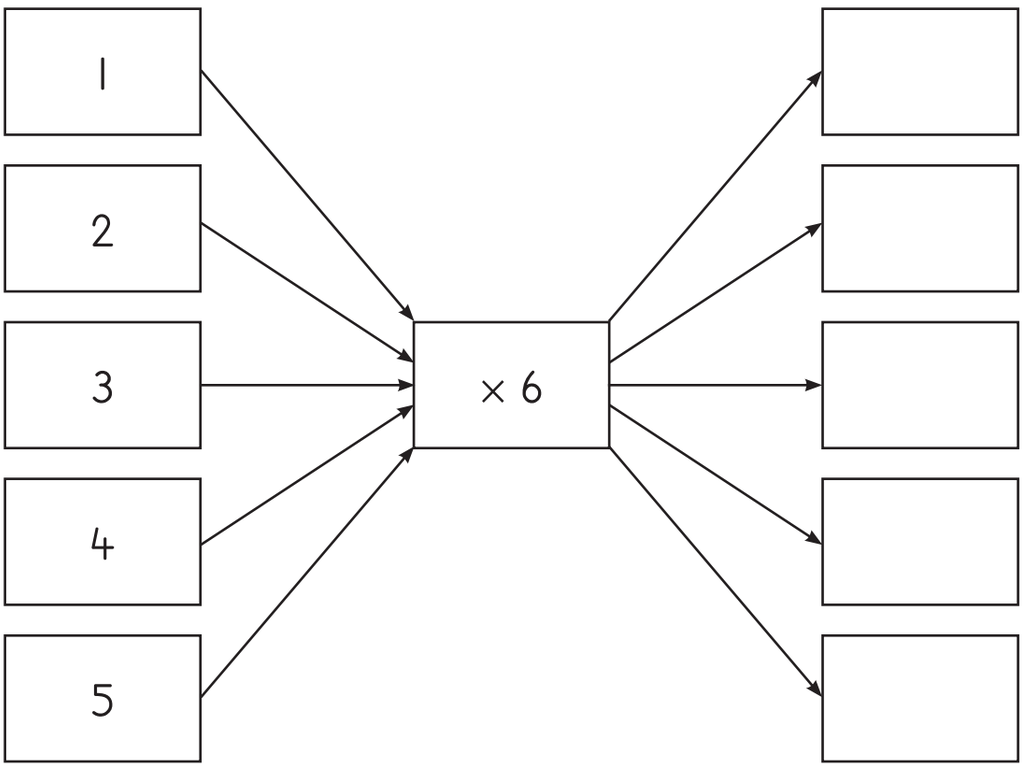
	Multiplication	Repeated addition	Answer
a	2 × 5	5 + 5	
b	3 × 5		
c		5 + 5 + 5 + 5	
d	5 × 5		
e		5 + 5 + 5 + 5 + 5 + 5	
f	7 × 5		
g		5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	40
h		5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	45

2 Complete the table:

	Multiplication	Repeated addition	Answer
a	2 × 6	6 + 6	
b	3 × 6		
c		6 + 6 + 6 + 6	
d	5 × 6		
e		6 + 6 + 6 + 6 + 6 + 6	
f	7 × 6		
g		6 + 6 + 6 + 6 + 6 + 6 + 6 + 6	48
h		6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6	54

3 Complete the flow diagrams:





4 Play the multiplication card game. Your teacher will explain the rules.

Term 2 Lesson 6

The 7 times table

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

	Multiplication	Repeated addition	Answer
1	2 × 7	7 + 7	
2	4 × 7		
3		7 + 7 + 7 + 7 + 7	
4	8 × 7		
5		7 + 7 + 7 + 7 + 7 + 7 + 7	

Term 2 Lesson 7

The 7 times table

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

	Multiplication	Repeated addition	Answer
1	5 × 7	7 + 7 + 7 + 7 + 7	
2	9 × 7		
3		7 + 7 + 7 + 7 + 7 + 7	
4	2 × 7		
5		7 + 7 + 7	

Term 2 Lesson 8

Assessment

Term 2 Lesson 9

The 8 times table

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

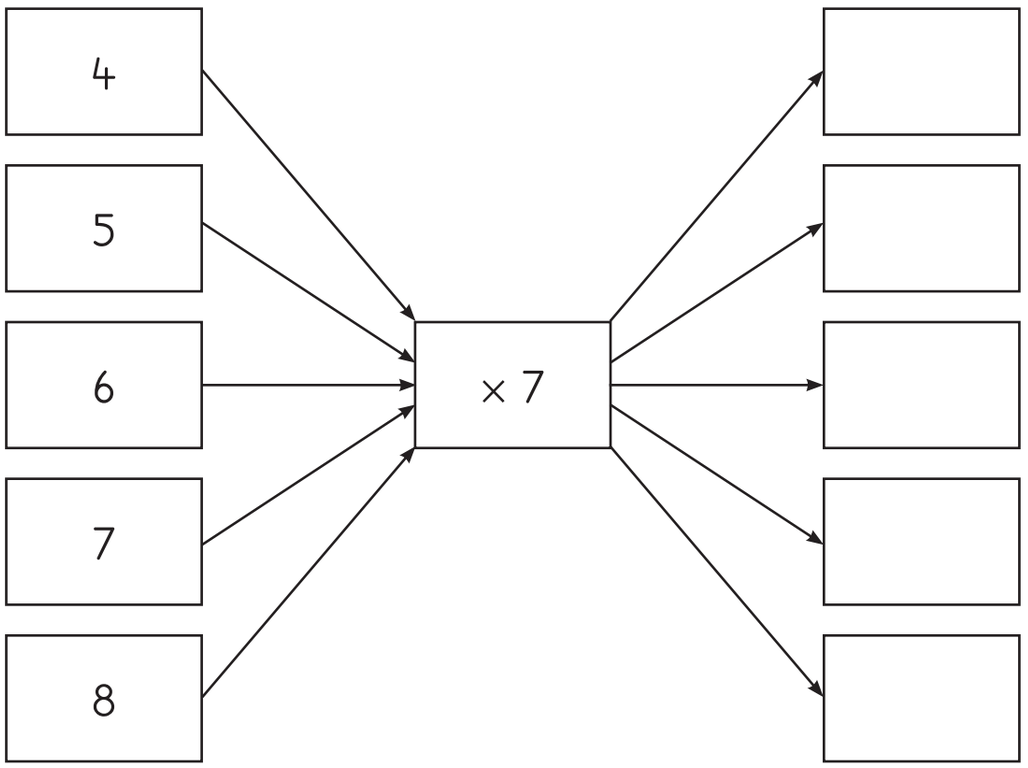
	Multiplication	Repeated addition	Answer
1	4 × 8	8 + 8 + 8 + 8	
2	6 × 8		
3		8 + 8 + 8	
4	9 × 8		
5		8 + 8 + 8 + 8 + 8	

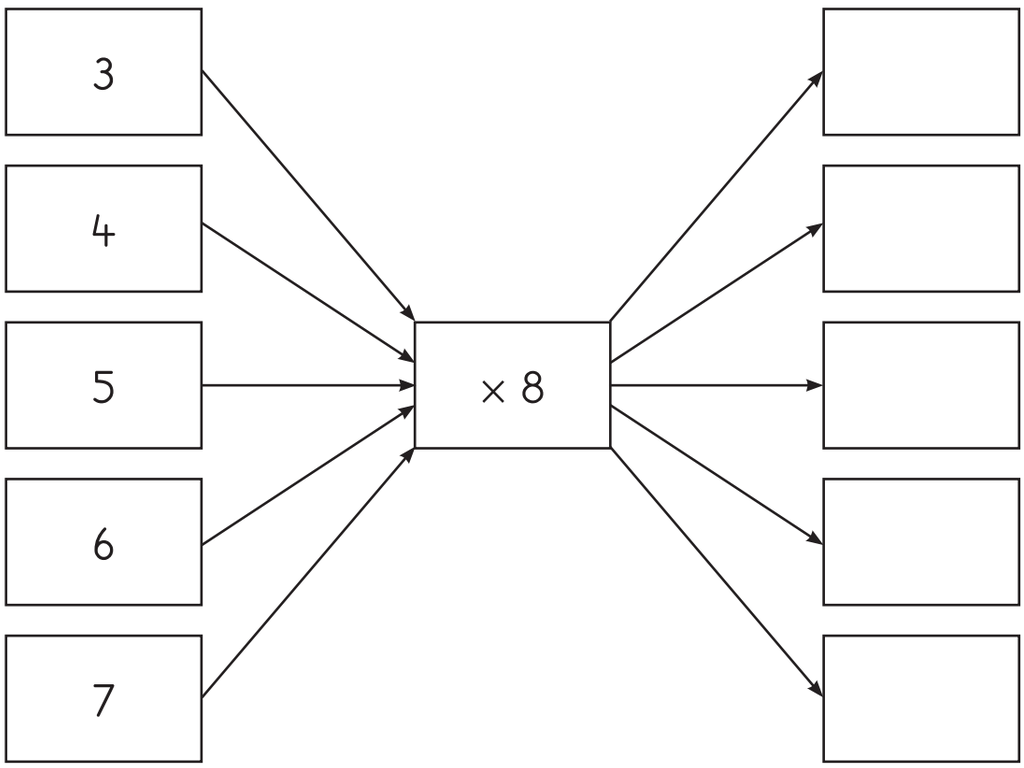
Term 2 Lesson 10

Consolidation

CLASSWORK

1 Complete the flow diagrams:





2 Complete the tables:

a

	4		6	7	8
× 7		35			

b

	3	4	5		7
× 8				48	

3 Play the multiplication card game in pairs. Your teacher will explain the rules.

Term 2 Lesson 11

The 9 times table

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

Complete the table:

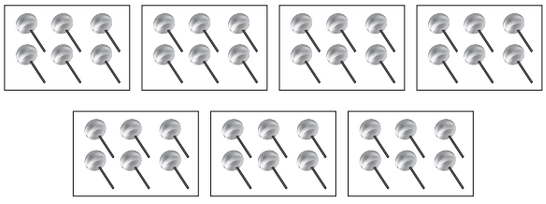
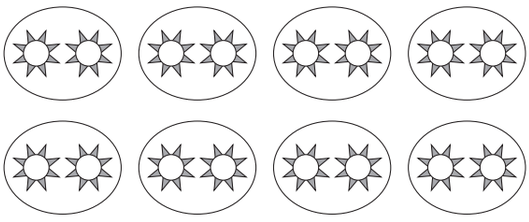
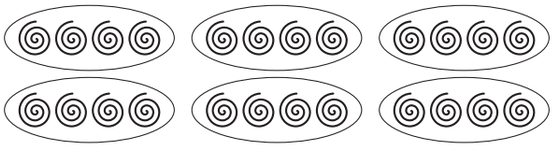
	Multiplication	Repeated addition	Answer
1	5 × 9	9 + 9 + 9 + 9 + 9	
2	3 × 9		
3		9 + 9 + 9 + 9 + 9 + 9 + 9	
4	2 × 9		
5		9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9	

Term 2 Lesson 12

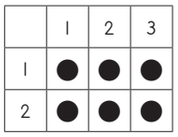
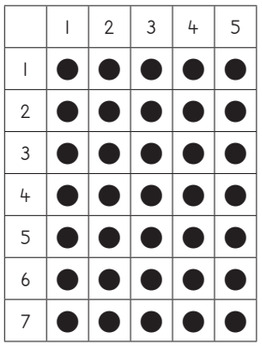
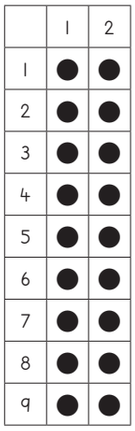
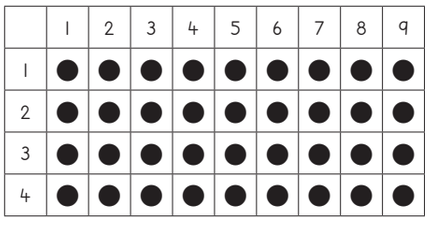
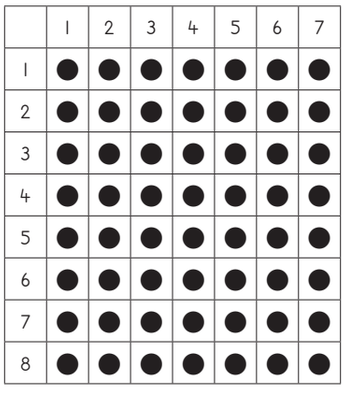
The 8 and 9 times tables

CLASSWORK

1 Write the number sentences with answers:

		Number sentence
a		
b		
c		
d		
e		

2 Write the number sentences with answers:

		Number sentence
a		
b		
c		
d		
e		

3 Write the number sentences with answers:

	Repeated addition	Number sentence
a	4 + 4 + 4 + 4 =	
b	6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 =	
c	8 + 8 + 8 + 8 + 8 =	
d	3 + 3 + 3 + 3 + 3 + 3 + 3 =	
e	5 + 5 + 5 + 5 + 5 =	

HOMEWORK

Write the number sentences with answers:

	Repeated addition	Number sentence
a	9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 =	
b	2 + 2 + 2 + 2 + 2 + 2 + 2 =	
c	7 + 7 + 7 + 7 + 7 + 7 =	
d	6 + 6 =	
e	3 + 3 + 3 + 3 =	

Term 2 Lesson 13

The 1 times table

CLASSWORK

1 Write the number sentences with answers:

		Number sentence
a	9 groups of 1	
b	7 groups of 4	
c	5 groups of 1	
d	6 groups of 3	
e	1 group of 1	

2 Calculate:

a $4 \times 1 =$ _____

b $2 \times 8 =$ _____

c $8 \times 1 =$ _____

d $3 \times 7 =$ _____

e $4 \times 6 =$ _____

f $5 \times 8 =$ _____

g $6 \times 7 =$ _____

h $8 \times 8 =$ _____

3 Write the number sentences with answers:

	Repeated addition	Number sentence
a	4 + 4 + 4 + 4 =	
b	6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 =	
c	8 + 8 + 8 + 8 + 8 =	
d	3 + 3 + 3 + 3 + 3 + 3 + 3 =	
e	5 + 5 + 5 + 5 + 5 =	

HOMEWORK

Write the number sentences with answers:

		Number sentence
a	3 groups of 1	
b	4 groups of 6	
c	8 groups of 1	
d	2 groups of 7	
e	5 groups of 1	

Term 2 Lesson 14

Doubling and repeated addition

CLASSWORK

1 Calculate by doubling:

	Multiple	Double	Answer
a	2 × 50	50 + 50 =	100
b	2 × 15		
c	2 × 35		
d	2 × 10		
e	2 × 45		
f	2 × 25		
g	2 × 30		
h	2 × 40		

2 Calculate by doubling:

	Multiple	Double	Add	Answer
a	2 × 51	50 + 1 + 50 + 1	100 + 2	102
b	2 × 46			
c	2 × 31			
d	2 × 16			
e	2 × 17			
f	2 × 26			
g	2 × 41			
h	2 × 36			

3 Bongiwe had 20 balloons.

Her mom gave her 21 balloons.

How many balloons did she have altogether?

4 Nomsa had a bunch of 35 flowers.
She was given another bunch of 36 flowers.
How many flowers did she have altogether?

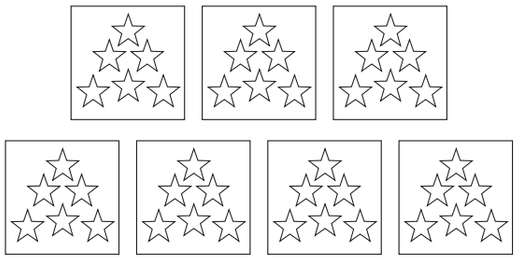
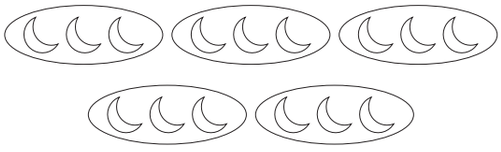
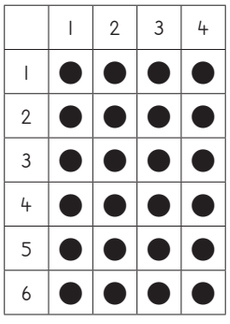
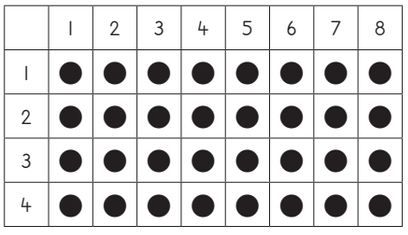
HOMEWORK

Nelisiwe has 41 pieces of string.
She cuts another 41 pieces of string.
How many pieces of string does she have now?

Term 2 Lesson 15

Consolidation

1 Write the number sentences with answers:

		Number sentence
a.		
b.		
c.		
d.		

2 Write the number sentences with answers:

	Repeated addition	Number sentence
a	2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =	
b	5 + 5 + 5 + 5 =	
c	7 + 7 + 7 + 7 + 7 + 7 + 7 =	
d	4 + 4 + 4 + 4 + 4 =	
e	6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 =	

3 Write the number sentences with answers:

		Number sentence
a	3 groups of 4	
b	4 groups of 8	
c	9 groups of 9	
d	2 groups of 5	
e	6 groups of 7	

4 Calculate by doubling:

	Multiple	Double	Add	Answer
a	2 × 16	15 + 1 + 15 + 1	30 + 2	
b	2 × 41			
c	2 × 26			
d	2 × 52			
e	2 × 38			

Term 2 Lesson 16
Assessment

Term 2 Lesson 17

Multiplication patterns

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

HOMEWORK

1 Draw circles in an array to show the multiple:

	Multiple	Array		Multiple	Array
a	4 × 5		b	5 × 4	
c	3 × 6		d	6 × 3	

Term 2 Lesson 18

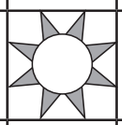
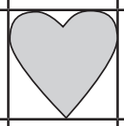
Patterns in multiplication tables

CLASSWORK

Play the multiplication card game. Your teacher will explain the rules.

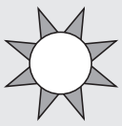
HOMEWORK

Write the number sentences for each of the covered numbers:

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

a

_____

b 

_____

c

_____

d

_____

e

_____

Term 2 Lesson 19

Multiply by 10

CLASSWORK

1 Complete the table:

		Repeated addition	Number sentence
a	5 groups of 2		
b	3 groups of 9		
c		6 + 6 + 6 + 6 + 6 + 6	
d	1 group of 10		
e	8 groups of 4	4 + 4 + 4 + 4 + 4 + 4 + 4 + 4	
f		5 + 5 + 5 + 5	
g		10 + 10 + 10 + 10 + 10 + 10 + 10	
h	5 groups of 7		

2 Solve the problems:

a I have 3 R10 bank notes. How much money do I have altogether?

_____ × _____ = R30

b I have 7 R10 notes. How much money do I have altogether?

_____ × _____ = R70

HOMEWORK

Complete the table:

		Repeated addition	Number sentence
a	3 groups of 10	10 + 10 + 10	
b	4 groups of 7		4 × 7 = 28
c		6 + 6 + 6	
d	10 groups of 4		
e		5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	

Term 2 Lesson 20

Consolidation

1 Write the number sentences:

	Repeated addition	Number sentence
a	6 groups of 8	
b	4 groups of 2	
c	5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	
d	2 groups of 7	
e	3 + 3 + 3 + 3	
f	9 + 9 + 9	
g	9 groups of 8	
h	10 groups of 6	
i	4 + 4 + 4 + 4 + 4 + 4 + 4 + 4	

	Repeated addition	Number sentence
j	10 + 10 + 10 + 10 + 10	
k	9 groups of 1	
l	8 groups of 2	
m	7 + 7 + 7 + 7 + 7 + 7	
n	6 + 6 + 6 + 6 + 6 + 6 + 6	
o	5 groups of 4	
p	7 groups of 9	

2 In pairs play 'SNAP' with the multiplication cards. Your teacher will explain the rules.

Term 2 Lesson 21

Assessment

Term 2 Lesson 22

Multiply by 0 and find the missing number

CLASSWORK

1 Use your multiplication table to find the missing numbers:

		Answer
a	☐ × 3 = 18	
c	7 × ☐ = 14	
e	☐ × 9 = 36	
g	☐ × 4 = 20	
i	8 × ☐ = 24	
k	☐ × 5 = 15	
m	2 × ☐ = 18	
o	☐ × 7 = 28	

		Answer
b	5 × ☐ = 35	
d	☐ × 6 = 18	
f	4 × ☐ = 32	
h	3 × ☐ = 27	
j	☐ × 6 = 42	
l	☐ × 5 = 45	
n	8 × ☐ = 64	
p	2 × ☐ = 12	

2 Calculate:

a $0 \times 5 =$ _____

b $4 \times 10 =$ _____

c $0 \times 3 =$ _____

d $10 \times 6 =$ _____

e $0 \times 10 =$ _____

f $8 \times 10 =$ _____

HOMEWORK

Calculate:

a $0 \times 6 =$ _____

b $7 \times 10 =$ _____

c $0 \times 2 =$ _____

d $10 \times 5 =$ _____

e $10 \times 0 =$ _____

f $9 \times 10 =$ _____

Term 2 Lesson 23

More multiplication patterns

CLASSWORK

Use your multiplication table to find the missing numbers:

		Answer
a	☐ × 4 = 28	
c	2 × ☐ = 18	
e	☐ × 7 = 49	
g	☐ × 8 = 48	
i	9 × ☐ = 45	
k	☐ × 3 = 12	
m	6 × ☐ = 18	
o	☐ × 9 = 72	

		Answer
b	5 × ☐ = 40	
d	☐ × 6 = 36	
f	2 × ☐ = 10	
h	7 × ☐ = 21	
j	☐ × 2 = 12	
l	☐ × 6 = 54	
n	4 × ☐ = 16	
p	8 × ☐ = 32	

HOMEWORK

I have 3 bunches of flowers. In each bunch there are 3 pink flowers and 4 white flowers. How many flower s do I have altogether?	
Draw a diagram.	
Write the number sentences.	
Write the answer.	

Term 2 Lesson 24

Assessment

Term 2 Lesson 25

Consolidation

1 Use your multiplication table to find the missing numbers:

		Answer
a	$\square \times 9 = 54$	
c	$\square \times 7 = 21$	

		Answer
b	$3 \times \square = 12$	
d	$4 \times \square = 36$	

2 Draw an array diagram to show:

		Array
a	6×2	
b	2×6	

		Array
c	7×4	
d	4×7	

3 Solve the problem:

I have 4 bags of shapes. In each bag there are 2 triangles and 5 rectangles. How many shapes do I have altogether?	
Draw a diagram	
Write the number sentences	
Write the answer	

Term 2 Lesson 26

Time

CLASSWORK

1 Write these times as digital times:

a Half past seven. _____

b Quarter past seven. _____

c Quarter to 4. _____

d Quarter past four. _____

e Half past 5. _____

2 Write these times as analogue times:

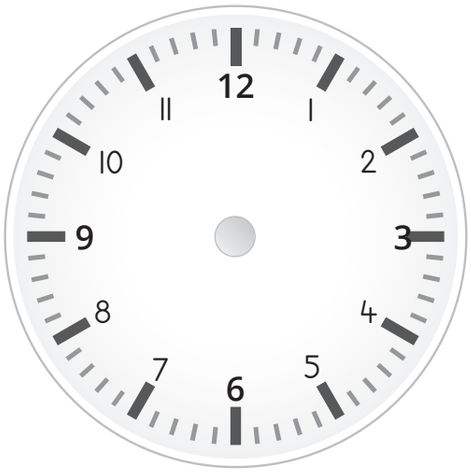
a 05:30 _____

b 02:00 _____

c 12:00 _____

d 07:00 _____

3 Show quarter past two on the clock:



_____

a Write the time below the clock.

b How many minutes is it before 3 o'clock? _____

c Where is the hour hand pointing? _____

d Where is the minute hand pointing? _____

HOMEWORK

1 Show on the clock faces below:

a 10 o'clock

b 12 o'clock

c 5 o'clock

2 Write the times shown on these clocks:

a

_____

b

_____

c

_____

Term 2 Lesson 27

Measuring Time

Clock faces for classwork activity

_____ o'clock			
08:00	11:00	12:00	04:00
quarter past _____			
04:15	09:15	12:15	10:15
quarter to _____			
01:45	02:45	09:45	10:45
half past _____			
07:30	10:30	02:30	06:30

CLASSWORK

1 What is the time? Write the time in words.

a

_____

b

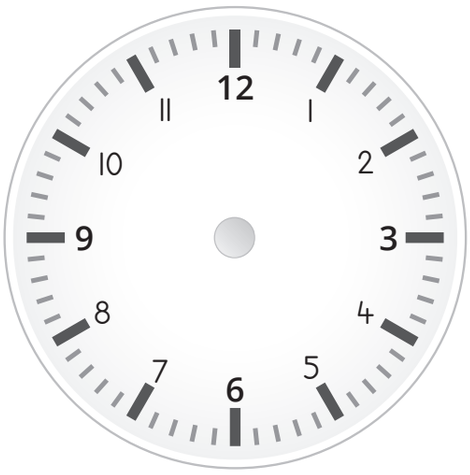
_____

c

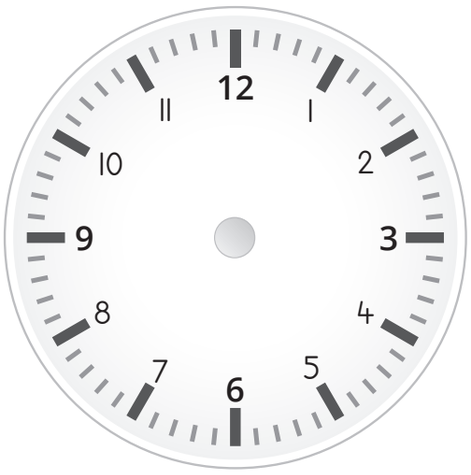
_____

2 Show the times on the clock faces:

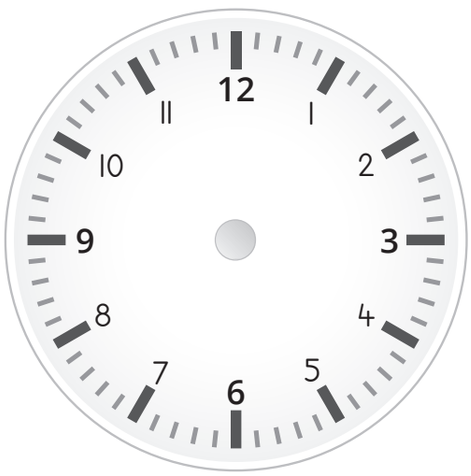
a Ten o'clock



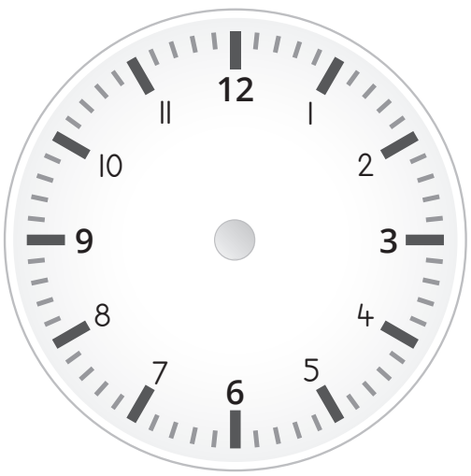
b Quarter to twelve



c Nine minutes to one



d 17:35



HOMEWORK

1 What is the time? Write the time in words.

a

_____

b

_____

2 Show the times on the clock faces:

a 9 minutes past 1

b Quarter to three

c Four minutes past five

d 15 minutes to 5

Term 2 Lesson 28

Time passed

CLASSWORK

1 Write these times in digital time:

a Half past eight. _____

b Quarter to six. _____

c Quarter to 9. _____

d Quarter past 2. _____

e Half past four. _____

2 Write these times in analogue time

a 05:15 _____

b 02:45 _____

c 12:15 _____

d 07:30 _____

3 How many minutes in one hour? _____

4 How many hours in one day? _____

5 How many days in one week? _____

6 How many months in one year? _____

7 Diksha leaves home at 7:15 and arrives at school at 8:00. How long did it take Diksha to get to school?

_____

HOMEWORK

a How many minutes in 2 hours? _____

b How many hours in 2 days? _____

c How many days in 2 weeks? _____

d How many months in 2 years? _____

Term 2 Lesson 29

Calendars

January

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	

February

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	

March

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					

April

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			

May

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

June

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					

July

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		

August

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	29
31						

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				

October

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	

November

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					

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

1 Colour the South African public and religious holidays on a 2020 calendar.

South African public holidays calendar	
New Year's Day	Tuesday 1 January
Human Rights Day	Thursday 21 March
Good Friday	Friday 19 April
Family Day	Monday 22 April
Freedom Day	Saturday 27 April
Workers' Day	Wednesday 1 May
Youth Day	Sunday 16 June
Women's Day	Friday 9 August
Heritage Day	Tuesday 24 September
Day of Reconciliation	Monday 16 December
Christmas Day	Wednesday 25 December
Day of Goodwill	Thursday 26 December

2 Colour the block of your favourite month in yellow.

3 How long is it between New Year's Day and Freedom Day?

_____

4 How long is it between Youth Day and Heritage Day?

_____

HOMEWORK

1 Colour your family members' birthdays on the calendar you used for your classwork.

2 How many months of the year have no family birthdays? Name them.

_____

3 How long is it between your birthday and another person in your family's birthday?

_____

Term 2 Lesson 30

Consolidation

1 What is the time?

a

_____

b

_____

c

_____

d

_____

2 Write as on a digital clock.

a Quarter past two. _____

b Quarter to nine. _____

c Half past nine. _____

d Seven o' clock. _____

3 I left my home at seven this morning and arrived back from school at three o' clock. For how many hours did I leave my home?

_____

4 Look at the calendar for this month.

a What month is it? _____

b How many Thursdays are there in this month? _____

c What is the date one week before the sixteenth of this month?

_____

d On what day is the last day of this month? _____

e What will the date be one week after the twenty eighth of this month?

_____

Term 2 Lesson 31
Assessment

Term 2 Lesson 32

Circles

CLASSWORK

1 Draw 3 different sized circles in the table below.

Small circle	Bigger circle	Biggest circle

2 Draw circles in different positions in the table below.

Circle at the top	Circle in the middle	Circle at the bottom

3 Use 6 circles to create a picture.

HOMEWORK

Find and draw 3 objects that are circular in your home.

Term 2 Lesson 33

Triangles

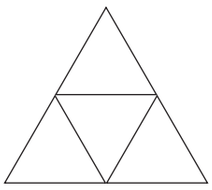
CLASSWORK

1 Use 2 square pieces of paper. Fold each one twice to make a square and a triangle.

2 Stick them in your maths book and label them.

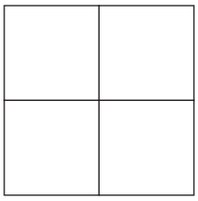
3 Work in pairs. How many shapes do you see? Count very carefully.

a



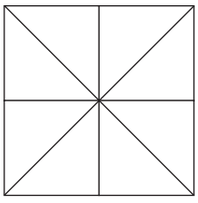
There are _____ triangles.

b



There are _____ squares.

c



There are _____ squares, _____ triangles and _____ rectangles.

2 Draw five triangles. They must all look different.

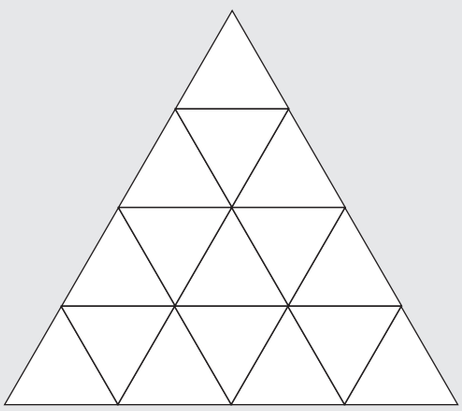
3 Find and cut triangles of different sizes from a magazine or newspaper. Stick them into your book, in different positions.

a How many sides does each triangle have? _____

b Are the sides straight or round? _____

HOMEWORK

How many triangles are there in this picture? _____



Term 2 Lesson 34

Squares

CLASSWORK

1 Draw a square. Draw three more, but all should look different.

2 Draw a picture that is made up of 8 different sized squares.

3 Draw three squares:

a A square with 4 cm sides.

b A square with 7 cm sides.

c A square with 10 cm sides.

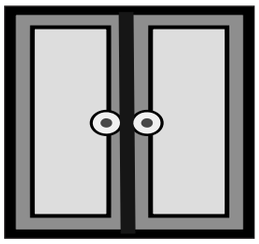
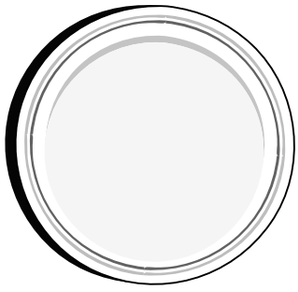
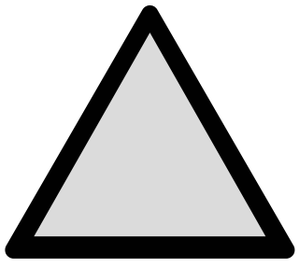
HOMEWORK

Find and draw 3 objects that are square in your home.

Term 2 Lesson 35

Consolidation

1 Complete the table:

	Object	Drawing of shape	Name of shape
a			
b			
c			

2 Draw a car using triangles, circles and squares.

Term 2 Lesson 36

Rectangles

CLASSWORK

Draw the following:

1 A rectangle 5 cm wide and 7 cm long in the middle of your page.

2 Draw a triangle on the left of the rectangle.

3 Draw a 4 cm square on the right of the rectangle.

4 Draw circle below the rectangle.

HOMEWORK

Draw a picture of a person using rectangles, squares, circles and triangles.

Term 2 Lesson 37

Assessment

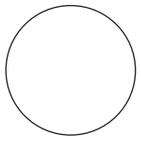
Term 2 Lesson 38

Sort and Compare 2-D shapes

CLASSWORK

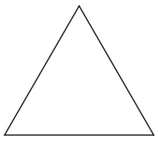
1 Say if the following shapes have round or straight sides:

a



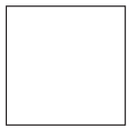
_____

b



_____

c



_____

2 Draw three shapes in each block below:

Shapes with straight sides	Shapes with round sides	Shapes with straight and round sides

HOMEWORK

Draw a picture of a house. Use circles, squares, rectangles and triangles.

Term 2 Lesson 39

Consolidation of 2-D shapes

CLASSWORK

1 Draw a triangle. Draw three more triangles, but in different positions.

2 Are the sides of the triangle round or straight? _____

3 Draw a rectangle. Draw three more rectangles, but in different positions.

4 Are the sides of the rectangle round or straight? _____

5 Draw three circles of different size.

6 Are the sides of the circle round or straight? _____

7 Find and cut out squares of different sizes from a magazine. Stick them in your book, all in different positions.

a How many sides does each one have? _____

b Are they straight or round? _____

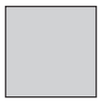
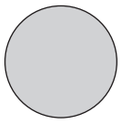
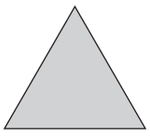
HOMEWORK

Draw a picture of a tree. You may use shapes with straight sides and round sides.

Term 2 Lesson 40

Consolidation

Complete the following table:

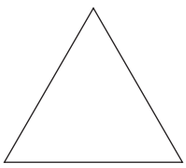
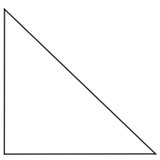
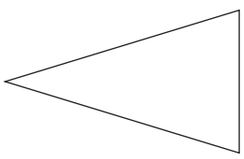
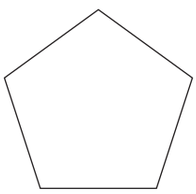
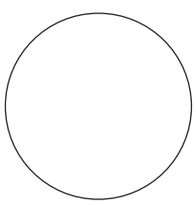
Shape	Different size	Different Position	Different colour
			
			
			

Term 2 Lesson 41

Symmetry Part 1

CLASSWORK

Complete the table:

Shape	Lines of symmetry	
	We predict	We found
		
		
		
		
		

HOMEWORK

1 Draw a square.

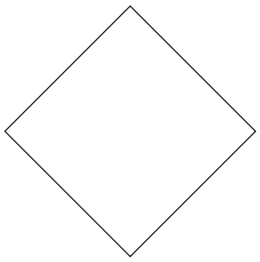
2 Draw a design inside the square so that the square is still symmetrical.

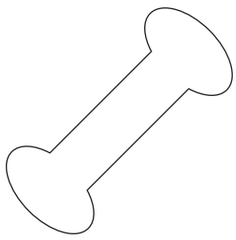
Term 2 Lesson 42

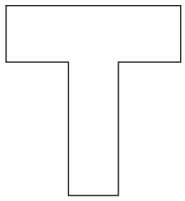
Symmetry Part 2

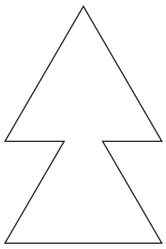
CLASSWORK

Draw the lines of symmetry into the following shapes:

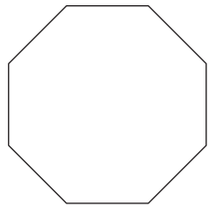
a 

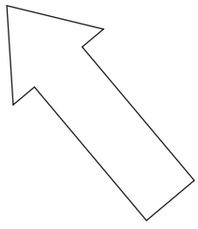
b 

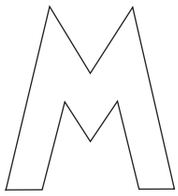
c 

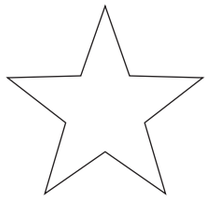
d 

e

f 

g 

h 

i 

HOMEWORK

1 Draw a symmetrical pattern in this grid.

2 How many lines of symmetry in your pattern? _____

Term 2 Lesson 43

Assessment

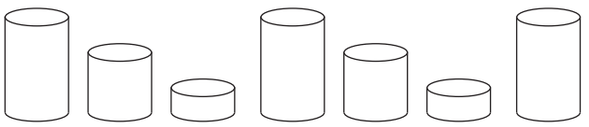
Term 2 Lesson 44

Geometric patterns

CLASSWORK

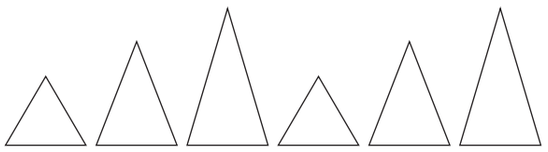
Copy and extend these patterns.

1



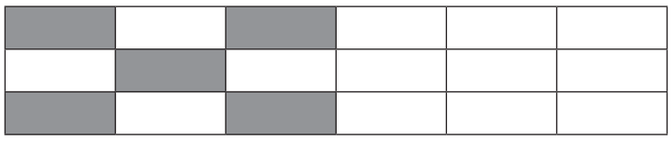
_____ _____ _____

2

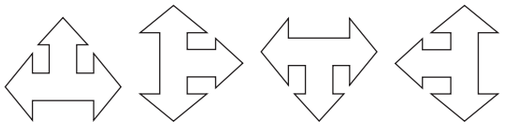


_____ _____ _____

3



4



_____ _____ _____ _____

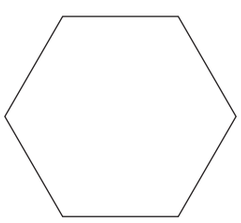
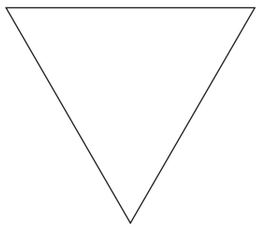
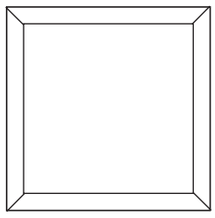
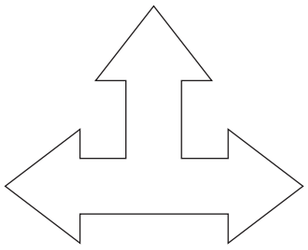
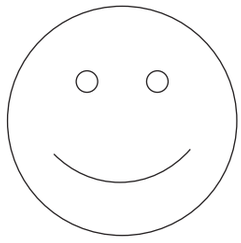
HOMEWORK

1. Find 3 different objects (2 of each) in your kitchen, like glasses, plates and bowls.
2. Use your objects to make a pattern.
3. Draw and extend your pattern in your book.

Term 2 Lesson 45

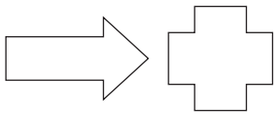
Consolidation

1 Draw in lines of symmetry in the following shapes:

2 Copy and extend the following geometric patterns.

a



_____ _____ _____ _____

b

_____ _____ _____ _____ _____ _____

Term 2 Lesson 46

Geometric patterns around us

CLASSWORK

1 Draw the pattern that your group made with the cups.

2 Describe the pattern.

3 Draw the pattern that your group made with the spoons.

4 Describe your pattern.

5 Design your own pattern, using triangles.

6 Describe the pattern.

_____

HOMEWORK

Design a colourful and beautiful pattern.

a You may use any shapes and colours.

b Remember to extend the pattern you started with.

c You may use more than one pattern in your design.

Term 2 Lesson 47

Creating geometric patterns

CLASSWORK

1 Draw a geometric pattern and describe your pattern:

a Use triangles.

b Use squares.

c Use circles.

2 Draw a geometric pattern using triangles, squares and circles.

3 Describe your pattern.

HOMEWORK

1 Draw a geometric pattern and describe it.

a Use rectangles.

b Use triangles and circles.

Term 2 Lesson 48

Exploring geometric patterns

CLASSWORK

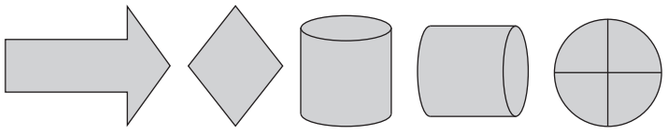
1 Extend the patterns:

a ____ ____ ____

b ____ ____ ____

c ____ ____

2 Use any of these shapes to make two different patterns. Describe your patterns.



You don't have to use all the shapes in your two patterns.

Pattern 1:

Pattern 2:

HOMEWORK

1 Design and draw your own pattern using circles, squares and triangles.

2 Describe the pattern.

_____

Term 2 Lesson 49

Assessment

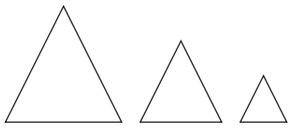
Term 2 Lesson 50

Consolidation

1 Extend the following pattern:

____ ____ ____ ____

2 Describe this pattern.



3 Create a pattern using circles that increase in size

4 Create a pattern with 3 squares. The squares should decrease in size.

Multiplication table (lesson 1 and other)

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

Multiplication cards (lesson 1 and other)

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

Multiplication cards (lesson 1 and other)

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

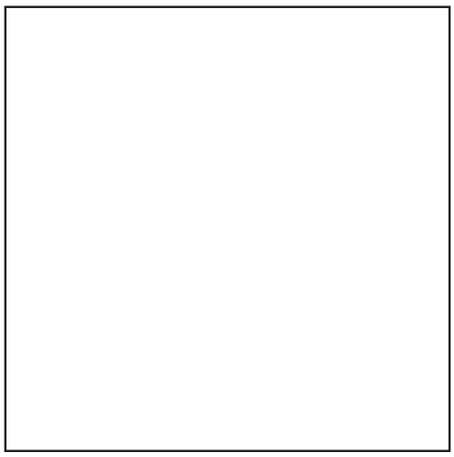
Multiplication cards (lesson 1 and other)

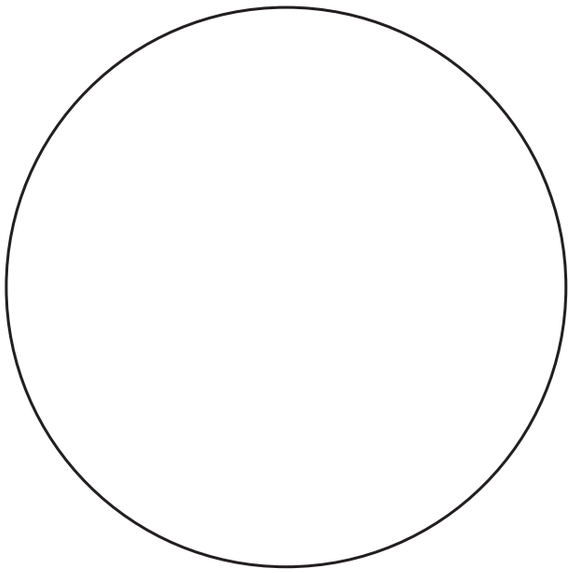
7 × 1	8 × 1	9 × 1
7 × 2	8 × 2	9 × 2
7 × 3	8 × 3	9 × 3
7 × 4	8 × 4	9 × 4
7 × 5	8 × 5	9 × 5
7 × 6	8 × 6	9 × 6
7 × 7	8 × 7	9 × 7
7 × 8	8 × 8	9 × 8
7 × 9	8 × 9	9 × 9

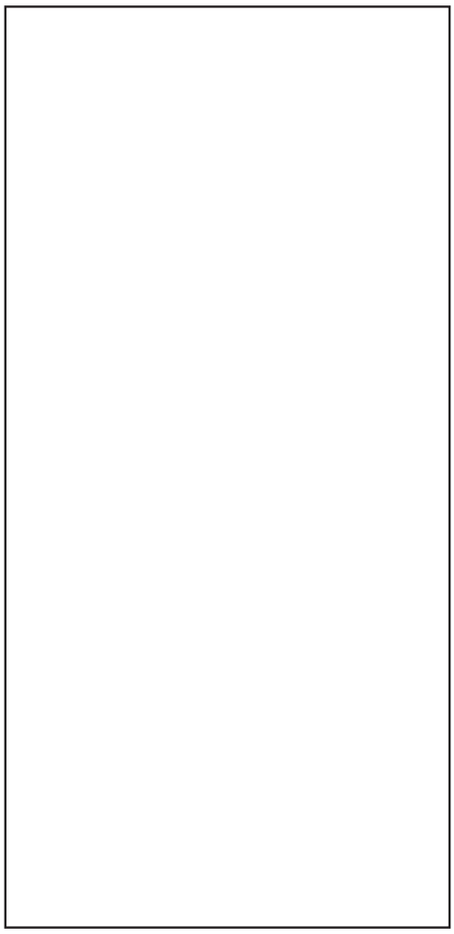
Array diagram (lesson 2 and other)

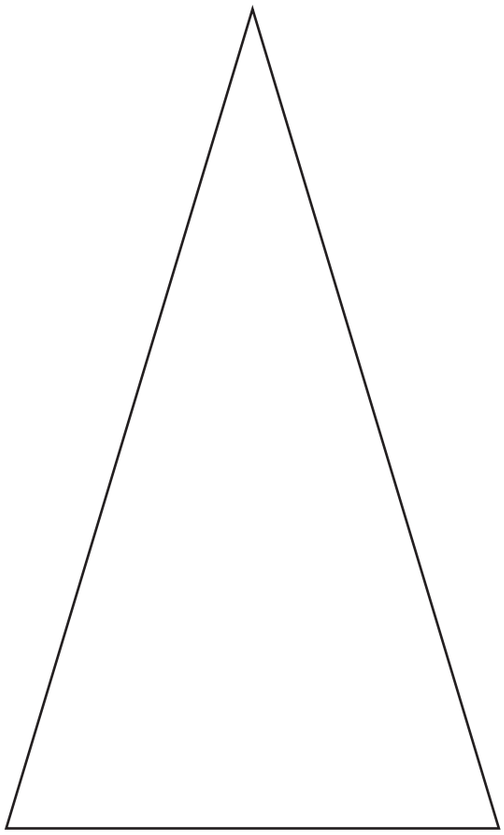
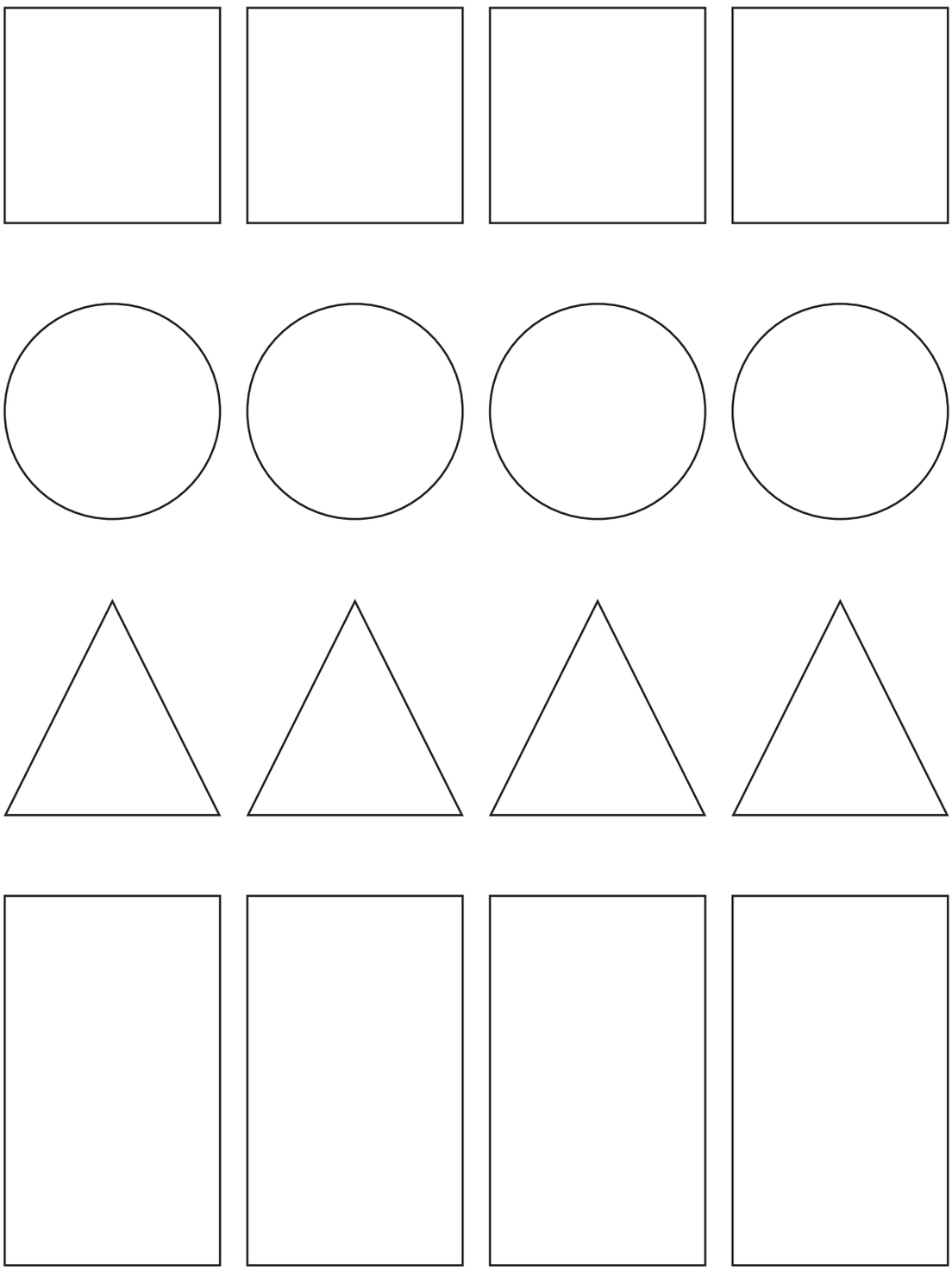
Array diagram for multiplication table										
	1	2	3	4	5	6	7	8	9	10
1	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●
6	●	●	●	●	●	●	●	●	●	●
7	●	●	●	●	●	●	●	●	●	●
8	●	●	●	●	●	●	●	●	●	●
9	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●

Shape cut outs (1) (lesson 38)









Shape cut outs (2) (lesson 39, 44, 47)