Contents

	V
Week I – Addition and subtraction	4
Using number facts to check calculations	4
Comparing number sentences	8
Finding related facts	12
Adding and subtracting Is	16
Week 2 – Addition and subtraction cont.	20
Adding and subtracting IOs	20
Adding two 2-digit numbers	24
Subtracting a 2-digit number from another	
2-digit number	28
Making number bonds to 100	32
Week 3 – Multiplication and division	36
Multiplication sentences	36
Using arrays	40
2 times-table	44
5 times-table	48
Week 4 - Multiplication and division cont.	52
10 times-table	52
Making equal groups	56
Sharing and grouping	60
Odd and even numbers	64
Week 5 - Fractions	68
Unit fractions	68
Understanding non-unit fractions	72
Finding a half	76
Finding a quarter	80

$\left\{ \right.$	This shows us what page to turn to.
Ç	

Week 6 – Properties of shapes	84
Recognising 2D and 3D shapes	84
Counting faces on 3D shapes	88
Sorting 2D shapes	92
Making patterns with 2D shapes	96
Week 7 – Length and height	100
Measuring in centimetres	100
Comparing lengths	104
Solving word problems – length	108
Weight, volume and temperature	112
Comparing mass	112
Week 8 – Weight, volume and temperature cont.	116
Measuring mass in grams	116
Measuring mass in kilograms	120
Comparing volume	124
Measuring volume in millilitres	128
Week 9 – Weight, volume and temperature cont.	132
Measuring temperature using a thermometer	132
Time	136
Telling and writing time to the hour and the half hour	136
Telling time to the quarter hour	140
Telling time to 5 minutes	144
Week I0 - Time cont.	148
Hours in a day	148
Finding durations of time	152
Comparing durations of time	156
Finding the end time	160
Answers to Practice questions	164

The first page of a lesson is a maths problem. Don't look at the next page until you have had a go! The third and fourth pages give you practice, so you can check your understanding.



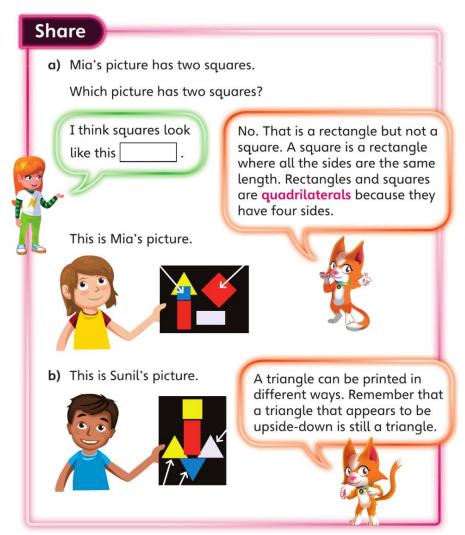
Recognising 2D and 3D shapes



- The children have made pictures using 2D shapes.

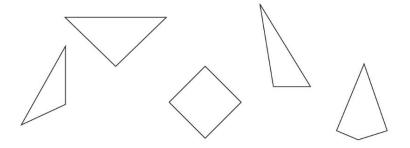
 Which picture did Mia make?
 - b) Which picture did Sunil make?



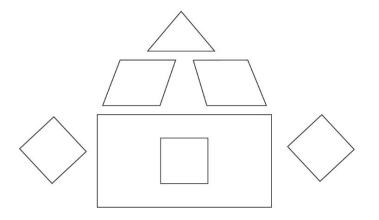


Recognising 2D and 3D shapes

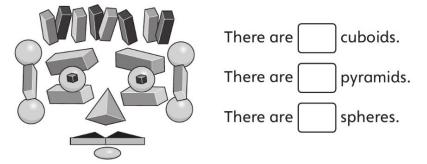
(1) a) Colour in all the triangles.



b) Colour in all the squares.

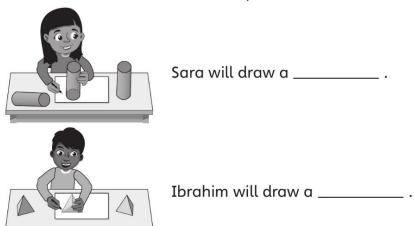


2 How many cuboids, pyramids and spheres are there in this picture?



3 Sara and Ibrahim are drawing around 3D shapes.

Write the name of the 2D shape each child will draw.

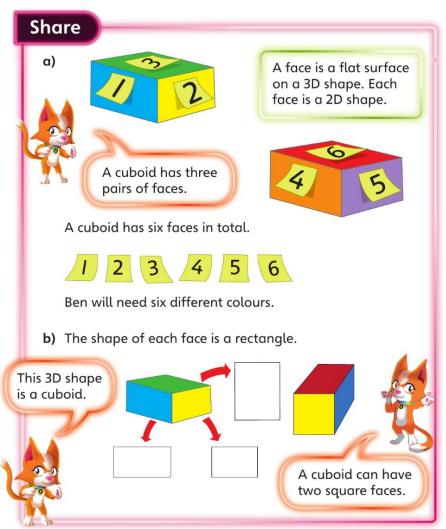


Counting faces on 3D shapes

Discover



- a) Ben paints every face of the box a different colour.
 How many colours will he need?
 - b) Describe the shape of each face.



Lesson 2			
----------	--	--	--

Counting faces on 3D shapes

Complete the table.

Shape	Name	Number of faces
	_u_e	
	p_r_m_d	
	cu_oi_	
	py_ad	
	se_e	0

Match each 3D shape to its faces



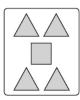














Write the letters of the shapes each child could have.



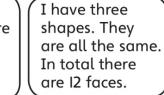








I have three shapes. They are all the same. In total there are 18 faces.



I have three different shapes. In total there are 15 faces.







Complete each sentence.











hemisphere

sphere

cylinder

cone

has two circle face surface.

es	ana	l

curved

·	_ has	0 faces	and
---	-------	---------	-----



Α	and a
and I	curved surface.

Sorting 2D shapes

Discover



- a) Which shape will **not** go in either box?
 - b) Which shape has the most vertices?

Share

a) These shapes have all got blue stripes so they go in this box.

> I want to make sure about this shape 🛑 It has blue stripes, but it also has a lot of vertices.



It has five vertices, but the shapes have to have more than five to go in the other box.

These shapes have more than five vertices so they go in this box.



This shape does not have blue stripes and it does not have more than five vertices.



The yellow triangle will not go in either box.

b) This shape this has six vertices. It is called a hexagon.

This shape has eight vertices. It is called an octagon.

Eight is greater than six (8 > 6).

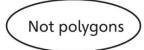
The red octagon has the most vertices.

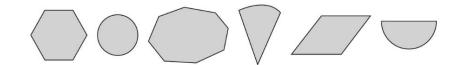
These shapes have more vertices than the other shapes.

Sorting 2D shapes

Match each shape to the correct group.







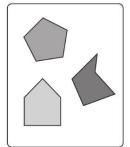
2 Sort these shapes into order by number of vertices, from the fewest number of vertices to the most.

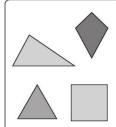


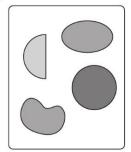
Fewest _____

3 Write labels for these groups.



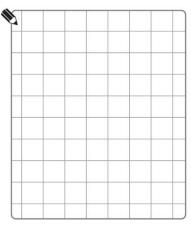


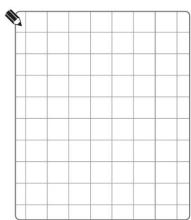




Draw two different shapes to go in each group.

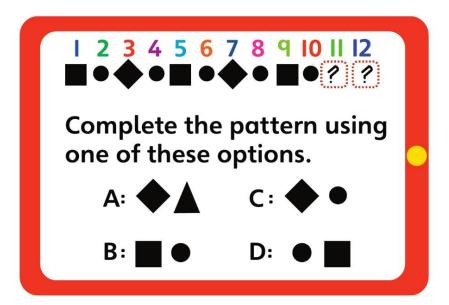




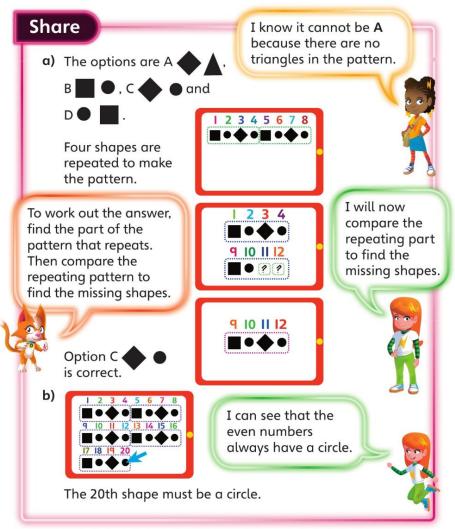


Making patterns with 2D shapes

Discover



- a) Which is the correct option to complete the pattern?
 - b) What shape would be in position 20?



Making patterns with 2D shapes

Show the repeating part of each pattern.

The first one has been done for you.

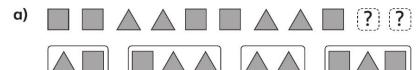








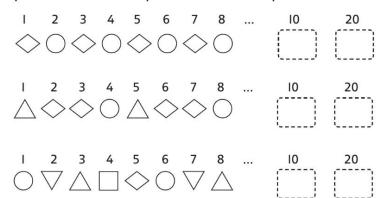
2 Circle the shapes that complete the patterns.



b) ? □ ▽ △ ○ □ ▽ △ ?



3 Draw the shapes that would be in 10th position and 20th position for each pattern.



A Draw the next four shapes.

