Year 2 – Maths – Summer 2 Week 3 –

If you have any questions about the work or you would like to send photographs of your work please email them to: year2@stjosephs.greenwich.sch.uk

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
CGP	Autumn term: Workout 1 Pages 2-3	Autumn term: Workout 2 Pages 4-5	Autumn term: Workout 3 Pages 6-7	Autumn term: Workout 4 Pages 8-9	Autumn term: Workout 5 Pages 9-10
TTRS	**Practice 2 x tables** Additional tables (3,5&10 are available as well)	**Practice 2 x tables** Additional tables (3,5&10 are available as well)	**Practice 2 x tables** Additional tables (3,5&10 are available as well)	**Practice 2 x tables** Additional tables (3,5&10 are available as well)	**Practice 2 x tables** Additional tables (3,5&10 are available as well)
Mathematical talk	What is the difference between a 2-D and 3-D shapes? What shape is this? If I turn it around, what shape is it now? Can you draw around any of the faces on your 3-D shapes? Which 2-D shapes can you make?	What do we mean by the 'face' of a shape? What is the difference between a face and a curved surface? What real life objects have 6 faces like a cube? Does a cuboid always have 2 square faces and 4 rectangular faces? Which 2-D shapes can you see on different 3-D shapes? How can you make sure that you don't count the faces more than once	How have you sorted your shapes? How do you know you have sorted your shapes correctly? Can you sort the shapes in a different way? Can you find a shape which is in the wrong place? Can you see how these shapes have been sorted?	Children use their knowledge of the properties of 2-D shapes to create patterns. They are encouraged to place the shapes in different orientations when making patterns and recognise that it is still the same shape. In particular, squares do not become diamonds when turned sideways.	Where can you see real life patterns with 3-D shapes? Can you explain your pattern to a partner? Does the shape always have to be a certain way up?
Themes	Properties of 2-D shapes	Properties of 3-D shapes	Sort 2-D shapes	Make patterns with 2-D shapes	Make patterns with 3-D shapes
Problem/ activity For varied fluency see first questions on each day. Support video link at bottom	1) Complete the sentences to describe the shapes. 2) Complete the table. 3)This shape is a triangle is Amir correct? How do you know? 4) use 15 sticks or draw lines to make three shapes. Link to support video for today's learning https://vimeo.com/428007654	1) Match the shape to the faces 2) Dexter had 5 of the same 3d shapes, what shapes has he got? 3) Dora wants to put a sticker on each face of some cubes. She has 60 stickers, how many cubes can she cover? 4) How many edges does each shape have? Link to support video for today's learning https://vimeo.com/428007789	1) Draw a line to sort the shapes into groups. 2) Eva sorts some shapes, is either correct? How do you know? 3) a) sort the shapes in order of the number of sides. b) Sort the shapes in order of the number of vertices. c) What do you notice about your own answers to a & b? https://vimeo.com/428007909	1) Draw the next two shapes in the pattern 2) a) Draw the first 9 shapes in Rosie's pattern b) What is the name of the 10th shape in the pattern c) What is the name of the shape on the right of the 5th shape? 3) Draw a shape in each box to make a repeating pattern. https://vimeo.com/428007983	1) Draw the next shape in each pattern. 2) Here is pattern of 3-D shapes, what will the 4th shape be? 13th shape? How do you know? 3) Eva is making a pattern using these shapes. What pattern could Eva make? Can you create a symmetrical pattern? Link to support video for today's learning https://vimeo.com/428007983

Day 1

Varied fluency

Match the names of the shapes to the pictures.

Square   Triangle   Rectangle   Circle

Complete the sentences to describe the shapes.

a)

A pentagon has ☐ sides.

b)

A triangle has ☐ sides.

c)

A _____ has ☐ sides.

d)

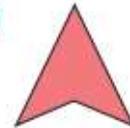A _____ has ☐ sides.

Name	Shape	Number of sides
		3
pentagon		
		6
square		
		8

This shape is a triangle.

Is Amir correct? _____

How do you know?

Use 15 lolly sticks to make three shapes.
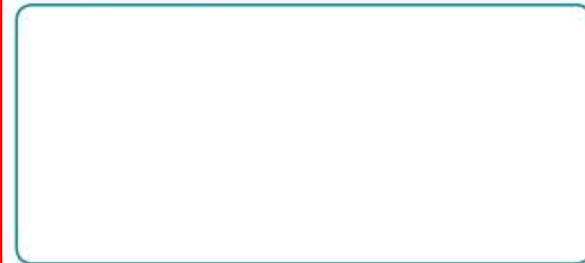
Draw your shapes.

Did your partner make the same shapes?

What happens if you use more or fewer lolly sticks?

Day 2

Varied fluency

Look at these 3-D shapes:

Which 2-D shapes can you see on the surface of each one?

Match the shapes to the faces.
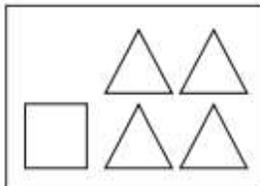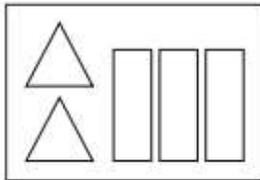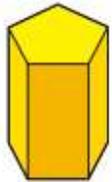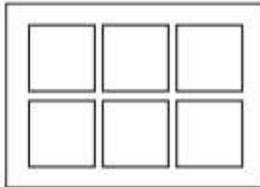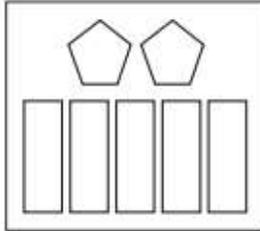
Complete the table:

Shape	Name of shape	Number of flat faces	Draw the faces

Dexter has 5 of the same 3D shapes.

In total, my shapes have 10 circular faces.

What shapes has Dexter got?

Dexter has got 5 _____

Dora wants to put a sticker on each face of some cubes.

She has 60 stickers.

How many cubes can she cover in stickers?
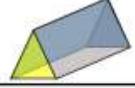
How many edges does each shape have?

a) _____ edges

b) _____ edges

c) _____ edges

d) _____ edges
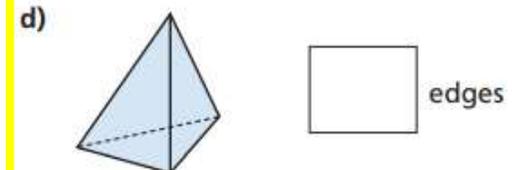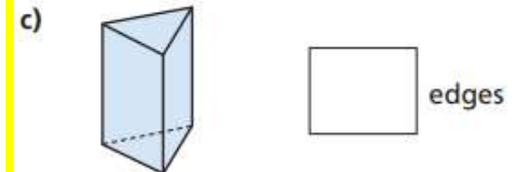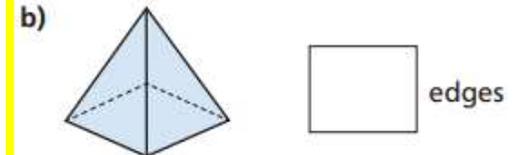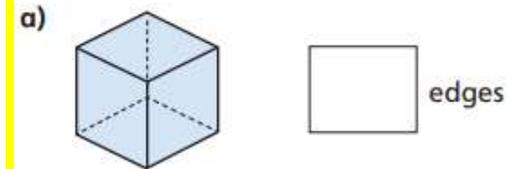
Sort the 2-D shapes into the correct group:

Rectangle	Triangle	Pentagon
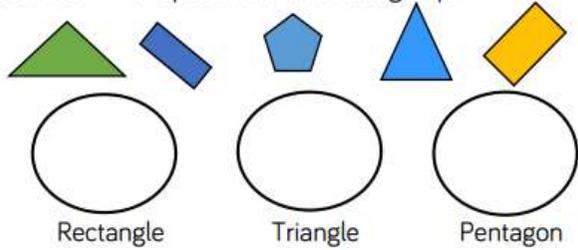
Whitney sorted her shapes by the number of sides.

What shapes could belong to each group?

4 sides	Not 4 sides

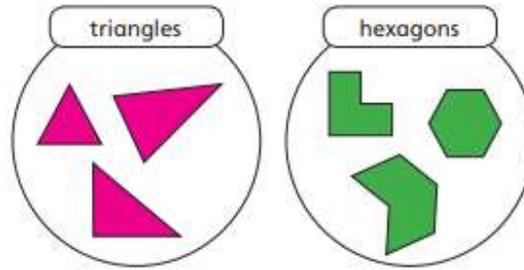Draw lines to sort the shapes into groups.

triangles   pentagons

How have the shapes been sorted?
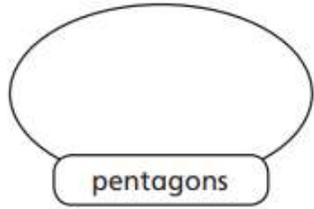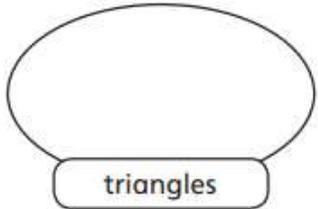
Eva sorts some shapes.
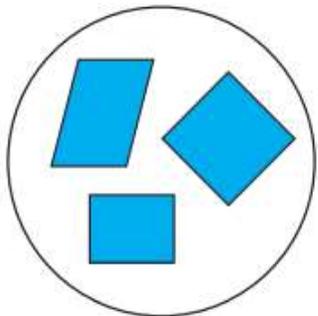
triangles   hexagons

a) Is Eva correct? _____
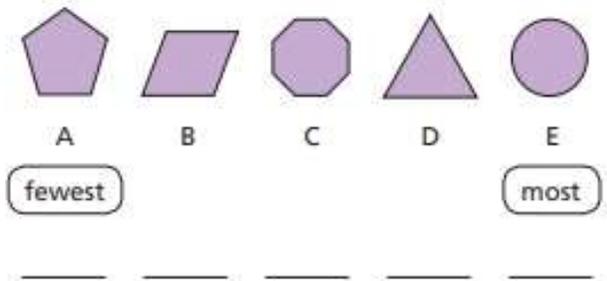
How do you know?

b) Draw a group of three different pentagons.
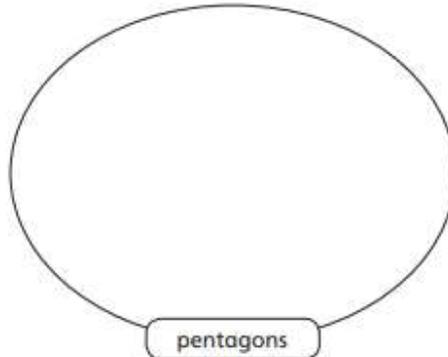
pentagons

a) Sort the shapes in order of the number of sides.

Start with the shape that has the fewest sides.

A   B   C   D   E

fewest   most

_____ _____ _____ _____ _____

b) Sort the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.

A   B   C   D   E

fewest   most

_____ _____ _____ _____ _____
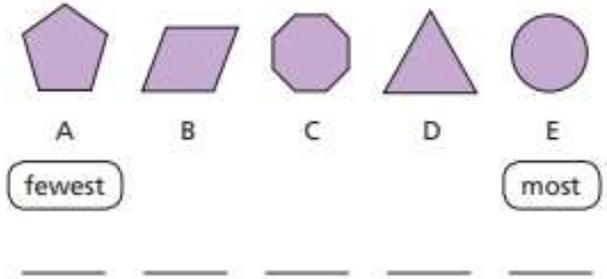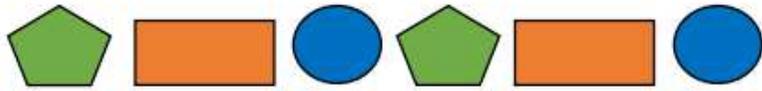
c) What do you notice about your answers to part a) and part b)?
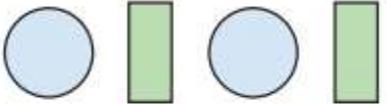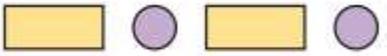
Continue this pattern:

Use different colour pencils to draw a repeating pattern. Can you describe the pattern to someone at home?
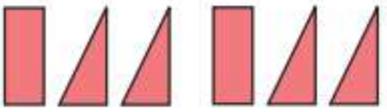
Can you circle the set of shapes that repeat?

What is the next shape in the pattern? What is the 9th shape in the pattern?

Draw the next two shapes in each pattern.

a)

b)

c)

My pattern goes: circle, triangle, square, then it repeats.

a) Draw the first 9 shapes in Rosie's pattern.

b) What is the name of the 10th shape in the pattern?

_____

c) What is the name of the shape to the right of the 5th shape?

_____

Draw a shape in each box to make a repeating pattern.

You may want to practise on a whiteboard.

Day 5

Varied fluency

How many times does the pattern repeat?
What will the 10th cylinder look like?
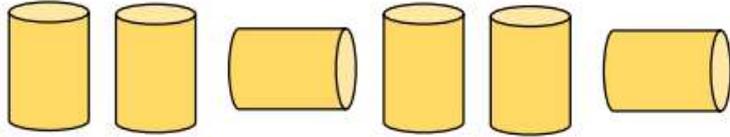
Can you make your own repeating patterns using only one
3-D shape?

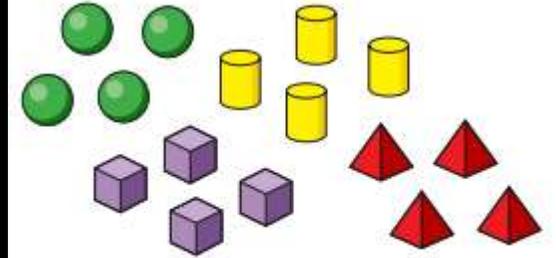Draw the next shape in each pattern.

a)

b)

c)

d)

e)

Here is a pattern made with 3D shapes.

a) Write the name of the 4th shape in
the pattern.

_____

b) What would the 13th shape in the
pattern be?

_____

Eva is making a pattern using these shapes.

a) What pattern could Eva make?

b) Can you arrange Eva's shapes to make a
symmetrical pattern?

c) Compare answers with a partner.

Answers

Day 1

Complete the sentences to describe the shapes.

a)

A pentagon has `5` sides.

b)

A triangle has `3` sides.

c)

A _square_ has `4` sides.

d)

A _hexagon_ has `6` sides.

Complete the table.

Name	Shape	Number of sides
rectangle		4
triangle		3
pentagon		5
hexagon		6
square		4
octagon		8
hexagon		6

This shape is a triangle.

Is Amir correct? _No_

How do you know?

Use 15 lolly sticks to make three shapes.

Draw your shapes.

e.g.

Did your partner make the same shapes?
What happens if you use more or fewer lolly sticks?

Day 2

Match the shapes to the faces.

Dexter has 5 of the same 3D shapes.

In total, my shapes have 10 circular faces.

What shapes has Dexter got?

Dexter has got 5 _cylinders_

How many edges does each shape have?

a) `12` edges

b) `8` edges

c) `9` edges

d) `6` edges

Day 3

Draw lines to sort the shapes into groups.

triangles   pentagons

How have the shapes been sorted?

Eva sorts some shapes.

triangles   hexagons

a) Is Eva correct? _Yes_

How do you know?

b) Draw a group of three different pentagons.

e.g.
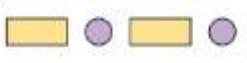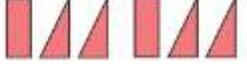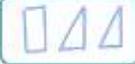
pentagons

a) Sort the shapes in order of the number of sides.
Start with the shape that has the fewest sides.

A B C D E

fewest   most

_E_ _D_ _B_ _A_ _C_

b) Sort the shapes in order of the number of vertices.
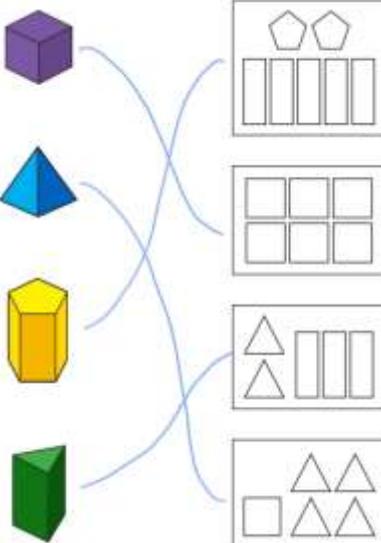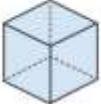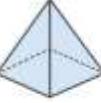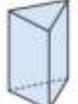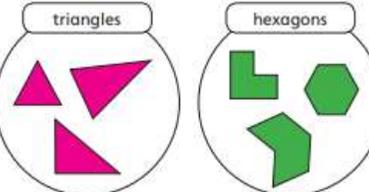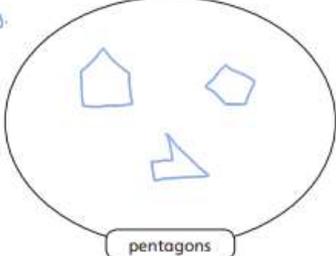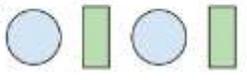Start with the shape that has the fewest vertices.

A B C D E

fewest   most

_E_ _D_ _B_ _A_ _C_

c) What do you notice about your answers to part a) and part b)?

Day 4

Day 5

Day 4

Draw the next two shapes in each pattern.

a)

b)

c)

My pattern goes: circle, triangle, square, then it repeats.

a) Draw the first 9 shapes in Rosie's pattern.

○△□○△□○△□

b) What is the name of the 10th shape in the pattern?

Circle

c) What is the name of the shape to the right of the 5th shape?

Square

3D Shapes

square-based pyramid   triangular prism   cone   rectangular prism

pyramid   cube   cylinder   sphere

Draw a shape in each box to make a repeating pattern.

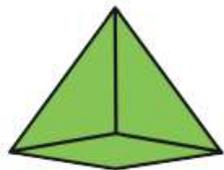You may want to practise on a whiteboard.
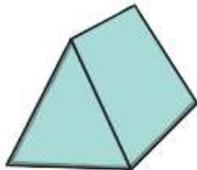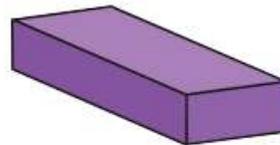
Day 5

Here is a pattern made with 3D shapes.

a) Write the name of the 4th shape in the pattern.

Cuboid

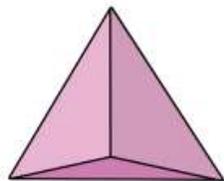b) What would the 13th shape in the pattern be?
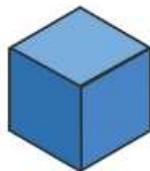
Cone

5 Eva is making a pattern using these shapes.
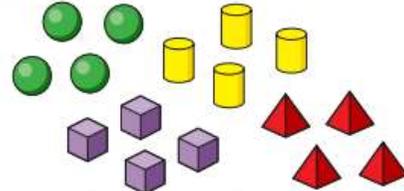
various answers.

a) What pattern could Eva make?

b) Can you arrange Eva's shapes to make a symmetrical pattern?

c) Compare answers with a partner.

Draw the next shape in each pattern.

a)

b)

c)

d)

e)