Year 2 Home Learning   wc 15th June 2020

BBC Bitesize - Visit https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1 and https://www.bbc.co.uk/iplayer/episodes/p0893dfq/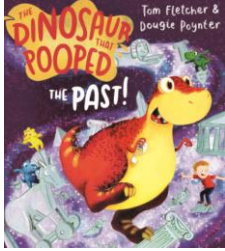bitesize-57-year-olds for daily lessons on a range of subjects. Pride Points will be awarded for any work completed. (Worksheets do not need to be printed. Just write the answers in your exercise book or a sheet of paper).

Maths	English	Science	Geography	PSHE/DT	Art/ Computing
White Rose Maths daily lessons - See link below for daily Maths lessons. https://whiterosemaths.com/homelearning/year-2/ To access the worksheets, either click the link below. Alternatively, each worksheet is attached to this plan. **Monday - Properties of 2D shapes** https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-1-Count-sides-and-vertices-on-2D-shapes.pdf **Tuesday - Properties of 3D shapes** https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-2-Count-faces-edges-and-vertices-on-3D-shapes.pdf **Wednesday - Sorting shapes** https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-3-Sort-2D-and-3D-shapes.pdf **Thursday -Shape patterns** https://resources.whiterosemaths.com/wp-content/uploads/2020/05/Lesson-4-Merge-2D-and-3D-	Lexia or IDL 20 minutes x 5 **Monday:** Watch **https://www.bbc.co.uk/bitesize/articles/zjdxhbk** and complete the activities on co-ordinating conjunctions. **Tuesday: 'The dinosaur that pooped the past'.** Watch the video https://vimeo.com/427341923 **(special guest story teller today !)** and answer the following questions: - How old was Gran? - Who ate all of Gran's cooking? - What was special about the swing? - How do you think Danny felt when the lava was getting closer?	**Activity 1: Habitats** Visit https://www.bbc.co.uk/bitesize/articles/zhvmt39 and complete the activities on habitats. **Activity 2: Animal groups** **Visit** https://www.bbc.co.uk/bitesize/articles/z4svgwx and complete the activities.	**Geography: Make a weather diary** Decide on a location you are going to record the weather each day, such as your garden or front door step. Think about and record the following each day: **What is the temparature?** What are you and your family wearing? Are you wearing a coat, jumper or a t-shirt? **How strong is the wind?** Look at any trees or bushes you can see? Is your hair blowing in the wind? **What direction is the wind?** Pick up a piece of grass or tissue paper, throw it in the air above your head which way does it go?	**Make a happiness jar.** You will need: • A container (a glass jar works well for this activity) • Paper • A pencil or pen You could use: • Collage materials like wrapping paper, stickers, sequins or felt • Paint • Scissors Instructions 1. Think about something that has made you happy today. This could be something funny that happened, an exciting activity that you did or something that you are grateful for. 2. Write your happy memory on a piece of paper using your pen or pencil. 3. Fold the paper carefully and place it in the jar. 4. You might like to decorate the outside of your jar using paint, wrapping paper or stickers. **Top Tips**	**Art: Art challenge.** See poster attached to this plan for our 30 day Art challenge. **Computing: How games work.** Visit https://www.bbc.co.uk/bitesize/articles/zv6ybdm and complete the activities on how computer games work.

shapes.pdf **Friday - Challenge** **Visit** **https://www.bbc.co.uk/bitesize/articles/zhn6pg8 and complete the activities on the 5 times tables.** **Also, see the White rose maths website for their Friday challenges.** RM Easimaths 20 minutes x 5 Times Tables Rockstars 20 minutes x 5 Practise 2, 5 and 10 times tables.	● What type of cake did Gran make on their return? **Wednesday:** If you could go back to a time in the past, where would you go? Write some sentences to explain where and why you would go there? What would you do when you got there? Use some of the co-ordinating conjunctions you learned on Monday in your sentences. **Remember your capital letters and full stops.** **Thursday: Book Review** Today complete a review of 'The dinosaur that pooped the past' A suggested way of completing this is attached. **Friday:Bitesize daily book club.** Visit https://www.bbc.co.uk/bitesize/articles/zhqr47h and complete the activities.		**How much rain has fallen?** Using a plastic 2ltr bottle, carefully cut the top off about ¼ of the way down from the top, invert the top in to the bottom of the bottle to make a funnel and add a little water to weigh it down. Mark one centimetre intervals above the water line and you have made a rain gauge to record from. **How many clouds are in the sky?** Look straight up in to the sky divide your view in to 8 how many of the 8 pieces have clouds in. Give it a score out of 8. **What colour are the clouds?** Are they fluffy white clouds or grey clouds? Think about what it might mean the sky is doing by the colour of the clouds?	Whenever you are feeling sad, read the notes inside your happiness jar to remind you of your happy memories	

Useful links https://www.rmeasimaths.com/   https://ttrockstars.com/   https://appuk.idlsgroup.com/#/login

Book review

A Book Review by _____

☆ ☆ ☆ ☆ ☆

Title: _____   **Author:** _____

Plot What happens? Did you find the plot interesting? Are there any plot twists?	**Characters** Who are the main characters? Who was your favourite character? Why?

Your opinion Did you like the book? What was your favourite part? Why?	**Recommend** Would you recommend this book to a friend? Why or why not?

Day 1

Count sides on 2D shapes

1 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.

2 Tick the 4-sided shapes.

☐ ☐ ☐

☐ ☐ ☐
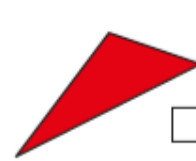
Did your partner tick the same shapes?

3 Tick the 6-sided shapes.

☐ ☐ ☐

☐ ☐ ☐

Compare answers with a partner.

Day 1

4 Complete the table.

Name	Shape	Number of sides
		3
pentagon		
		6
square		
		8

5

This shape is a triangle.

Is Amir correct? _____

How do you know?

6 Use 15 lolly sticks to make three shapes.

Draw your shapes.
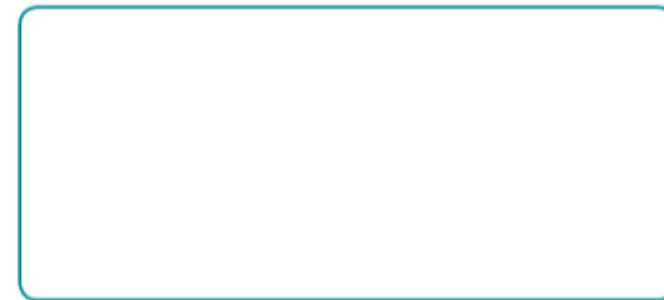
Did your partner make the same shapes?

What happens if you use more or fewer lolly sticks?

Day 1

Count vertices on 2D shapes

White Rose Maths

1 Complete the sentences to describe the shapes.

a)

A pentagon has ☐ vertices.

b)

A triangle has ☐ vertices.

c)

A _____ has ☐ vertices.

d)

A _____ has ☐ vertices.

2 Tick the shapes with 4 vertices.

☐ ☐ ☐

☐ ☐ ☐
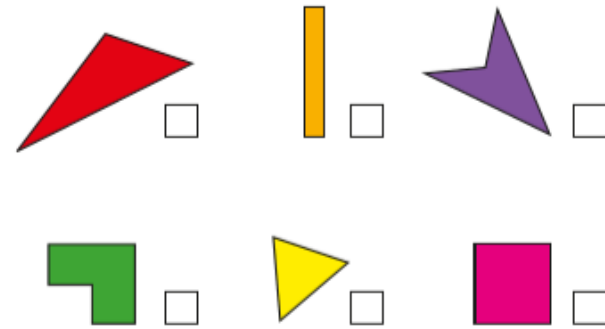
Compare answers with a partner.

3 Tick the shapes with 6 vertices.

☐ ☐ ☐

☐ ☐ ☐
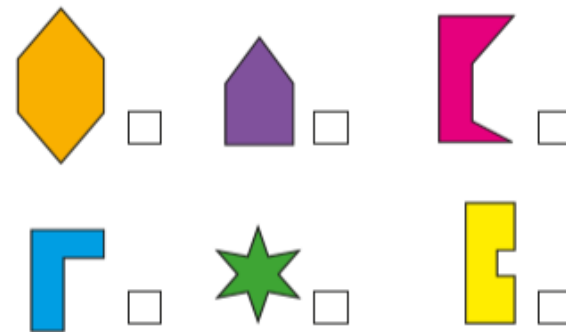
Talk to a partner about your answers.

Day 1

4 How many vertices does each shape have?

a) ▢

b) ▢

c) ▢

d) ▢

e) ▢

f) ▢

How did you count the vertices?

5 My shape has more vertices than a triangle, but fewer than a hexagon.

What shape could Ron have? _____

Compare answers with a partner.

6 Rosie is making a pattern out of shapes.

a) How many vertices are in each term of her pattern?

▢   ▢   ▢
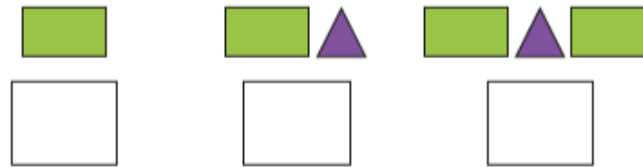
b) What do you notice?

c) How many vertices will the next term have?

▢

d) Create your own pattern with shapes.

Count the number of vertices in each term.

Day 2

Count faces on 3D shapes

1 Match the shapes to the faces.
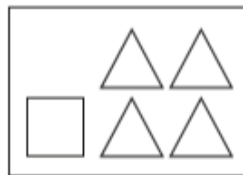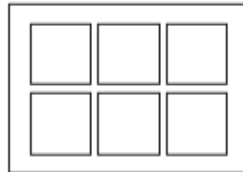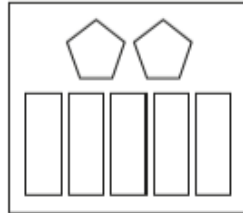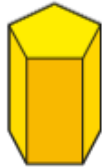
2 Complete the table.

Shape	Name	Number of faces

3

My shape has one curved surface.

What shape is Jack describing? _____

Day 2

4 Match the description to the shape.

| 1 circular face and 1 curved surface |

| 2 circular faces and 1 curved surface |

| 4 triangular faces |

5

A cube is the only 3D shape with 6 faces.

Alex has made a mistake.

Name another 3D shape that has 6 faces.

6 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 _____

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

She has 60 stickers.

How many cubes can she cover in stickers?

Dora can cover [ ] cubes in stickers.

Day 2

Count edges on 3D shapes

1 How many edges does each shape have?

a)

☐ edges

b)

☐ edges

c)

☐ edges

d)
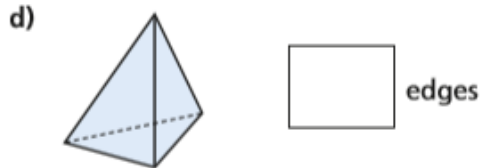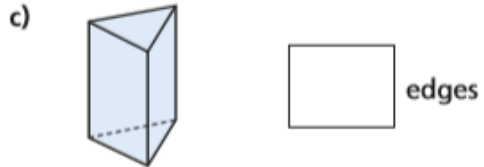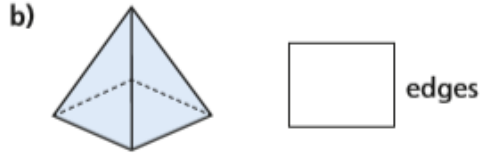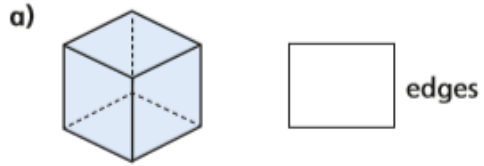
☐ edges

2 Complete the table.

Shape	Name	Number of edges	Number of faces

3

3D shapes always have more edges than faces.

Do you agree? _____

Why?

Day 2

4 Use the clues to label the shape with the correct letter.

_____   _____   _____   _____
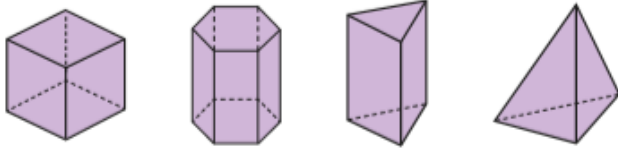
- Shape A has an odd number of edges.
- Shape B has the most edges.
- Shape C has the same number of edges as a cube has faces.
- The edges of shape D are all the same length.

5 Write the name of two 3D shapes that have the same number of edges.

_____ and _____

6

A cube has 6 faces and 12 edges, so a square-based pyramid must have 5 faces and 10 edges. The number of edges is always double the number of faces.
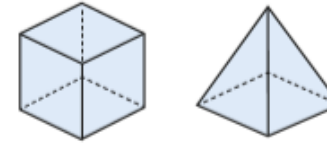
Do you agree with Teddy? _____
Why?

7 This hexagonal prism has 18 edges.
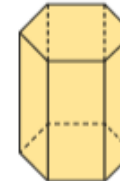
How many edges do you think a pentagonal prism has?

Why do you think this?

Maths

1 How many vertices does each shape have?

a) [ ] vertices

b) [ ] vertices

c) [ ] vertices
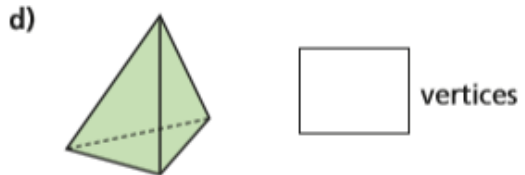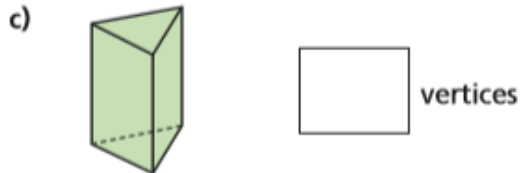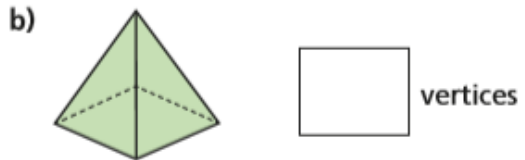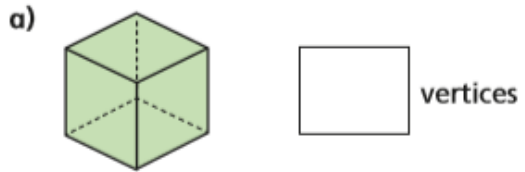
d) [ ] vertices

2 Complete the table.

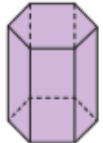| Shape	Name	Number of vertices

Write the name of a different 3D shape with no vertices.

_____

Day 2

3 Write the shapes in order of the number of vertices.
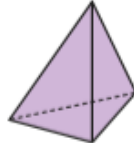
Start with the shape that has the fewest vertices.
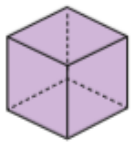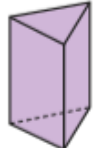
A	B	C	D

(fewest)   (most)

_____ _____ _____ _____
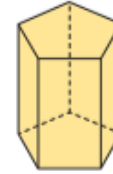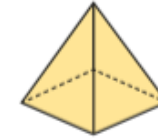
4 Complete the sentences.

(more)   (fewer)
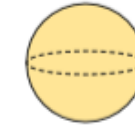
a) A cube has _____ vertices than a sphere.

b) A sphere has _____ vertices than a cone.

c) A triangular prism has _____ vertices than a cuboid.

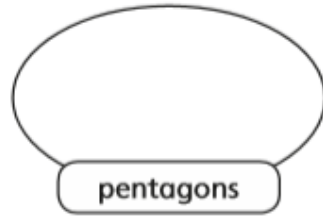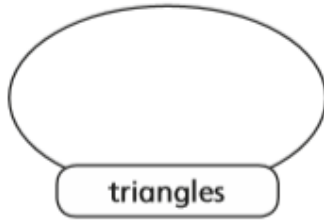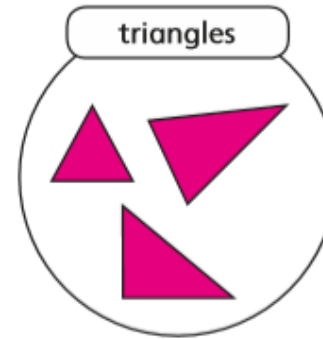**5** Match each shape to the correct label.

< 5 vertices

= 5 vertices

> 5 vertices

Day 3

Sort 2D shapes

1 Draw lines to sort the shapes into groups.

triangles

pentagons

2 How have the shapes been sorted?

3 Eva sorts some shapes.

triangles

hexagons

a) Is Eva correct? _____

How do you know?

b) Draw a group of three different pentagons.

pentagons

Day 3

4 **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)?

5 Draw three different shapes in each group.

shapes with 4 sides

shapes with an odd number of vertices

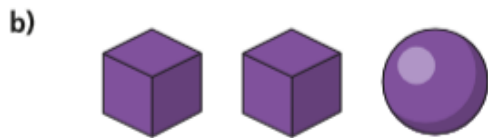shapes with an even number of sides

Day 3

Sort 3D shapes

1 Circle the odd one out in each group and complete the sentences.
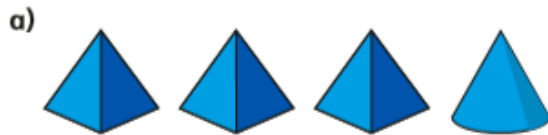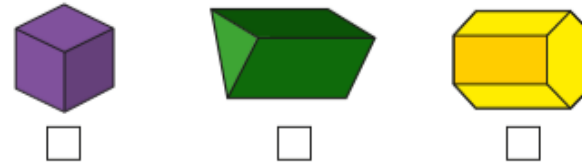
a)

The odd one out is a _____.

b)

The odd one out is a _____.

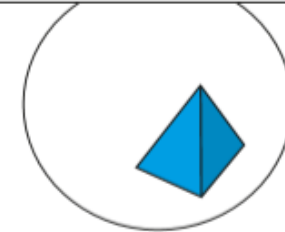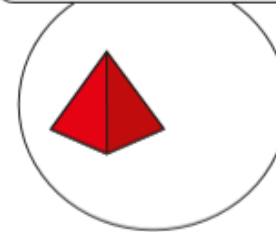**2** Tick the shape that could go in the group.

has a curved surface
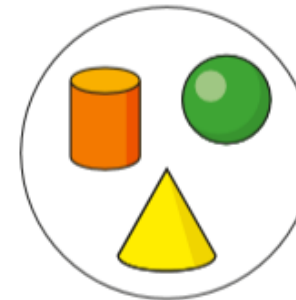

3 Tick the shape that could go in both groups.

☐   ☐   ☐

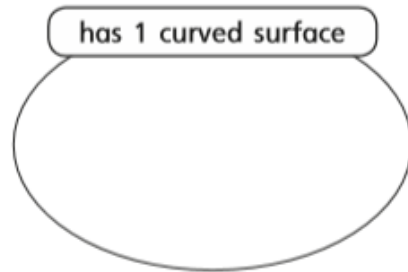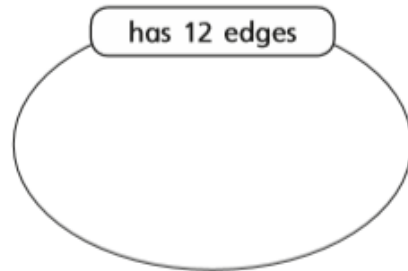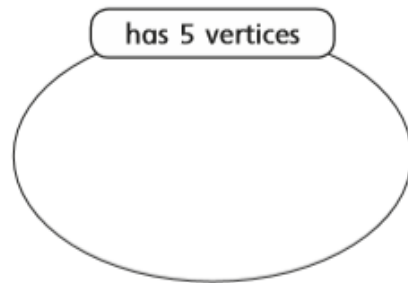odd number of faces   even number of vertices
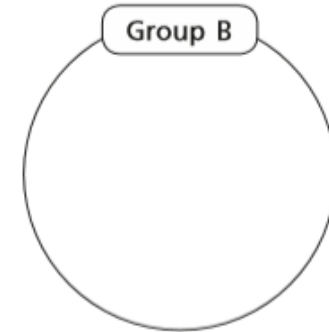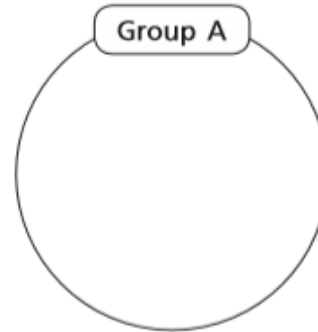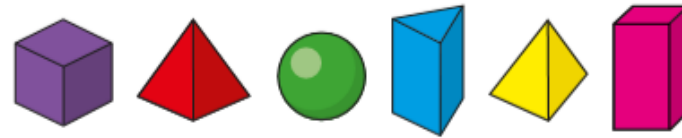

4 How have the shapes been grouped?

Day 3

5 Write the name of a 3D shape that could go in each group.

has 5 vertices

has 12 edges

has 1 curved surface

Can you think of any other shapes to go in each group?

6 a) Draw lines to sort the shapes into two groups.
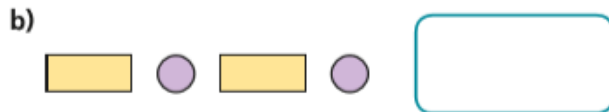
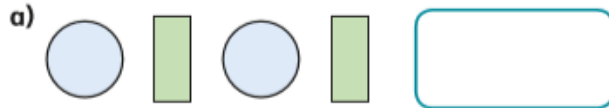Group A

Group B

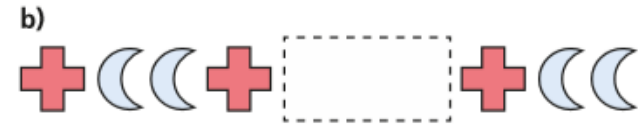b) Give each of your groups a label.

Group A: _____

Group B: _____

Compare answers with a partner.

Day 4

Make patterns with 2D shapes

1 Draw the next two shapes in each pattern.

a)

b)

c)

2 Tick the shapes that fit in each pattern.

a)

b)
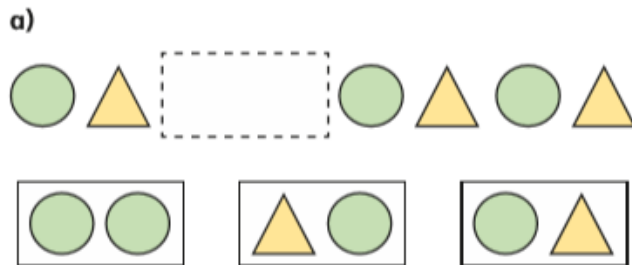
3

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?

_____

Day 4

4 Mo makes a pattern using 4 rectangles, 4 triangles and 4 circles.

What could Mo's pattern be?

Draw two different possibilities.

5 Draw the 10th shape for each pattern.

a)

b)

6 Write your own repeating pattern of shapes.

For example: circle, rectangle, rectangle, circle, rectangle, rectangle …

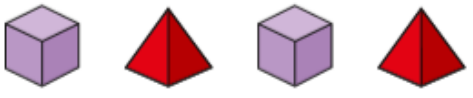_____, _____, _____, _____,

_____, _____, _____, _____.

Swap with a partner and draw each other's patterns.

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

You may want to practise on a whiteboard.

Day 4

Make patterns with 3D shapes

1 Draw the next shape in each pattern.

a)

b)

c)

d)

e)

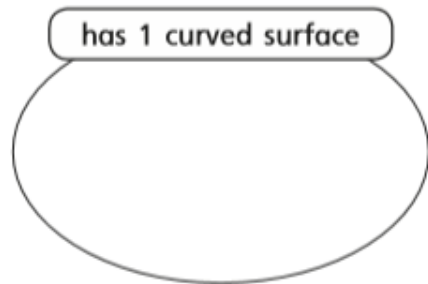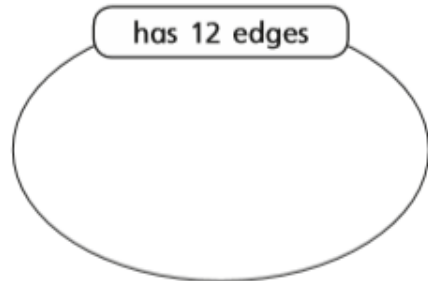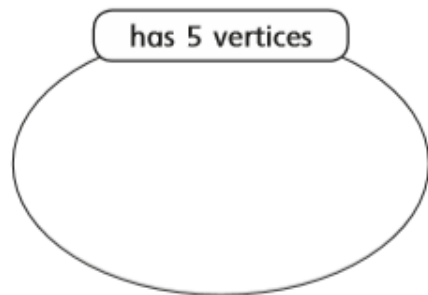**2** What is the name of the 3rd shape in the pattern?

_____

3 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?

_____

Day 4

5 Write the name of a 3D shape that could go in each group.

has 5 vertices

has 12 edges

has 1 curved surface

Can you think of any other shapes to go in each group?

6 a) Draw lines to sort the shapes into two groups.
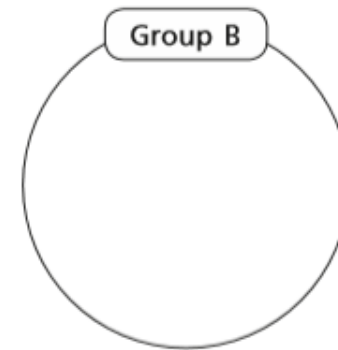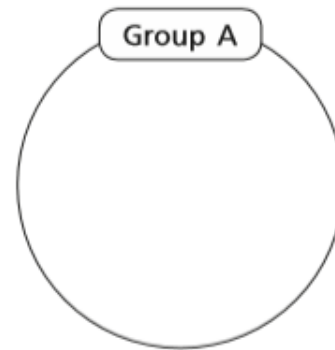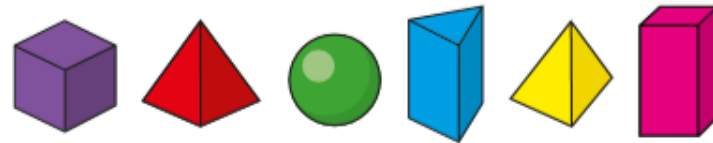
Group A

Group B

b) Give each of your groups a label.

Group A: _____

Group B: _____

Compare answers with a partner.

30 day Art challenge

30 Day Art/DT Challenge

Design and make your own boat that will float on water. **Day 1**	Draw a butterfly with exotic colours. **Day 2**	Make your own puppet using a sock. **Day 3**	Design the best parachute to protect a boiled egg. **Day 4**	Make your own kite. **Day 5**
Make a planet using paper Mache. **Day 6**	Design a face mask for yourself. **Day 7**	Make your own rocket using empty paper rolls. **Day 8**	Use marshmallows and toothpicks to build your own 3D shapes. **Day 9**	Draw your family picture on a poster. **Day 10**
Write your name with play dough. **Day 11**	Build something you would find in the polar regions using things you can find in your home. **Day 12**	Draw your own superhero with special powers. **Day 13**	Use building blocks or Legos to build a sculpture. **Day 14**	Make a squishy with a balloon and toothpaste. **Day 15**
Make a den in your home using fabric, cushions and other furniture. **Day 16**	Make your own monster bookmark. **Day 17**	Design your own Easter egg. You can do this on paper or you can paint a real egg. **Day 18**	Collect some nature things from outside and draw these in your book. **Day 19**	Make a spider with pipe cleaners. **Day 20**
Write a hilarious poem using bubble writing. **Day 21**	Draw a picture of yourself and then label all the body parts of the body. **Day 22:**	Make your own glittery slime. **Day 23**	Draw an illustration for your own story. **Day 24**	Collect photos of your family and make a family tree. **Day 25**
Paint rocks and turn them into animals **Day 26**	Make your own board game. **Day 27**	Create a poster showing healthy and unhealthy food. **Day 28**	Make your own paper plate nest. **Day 29**	Make a castle using an empty cereal box. **Day 30**