		Year 2 math	s - week beginning: 27.4.	20	
Theme	3D Shape lesson 1 Recognising 3D shapes	3D Shape lesson 2 Describing 3D shapes	3D Shape lesson 3 Grouping 3D shapes	3D Shape lesson 4 Making patterns with 3D shapes	3D Shape lesson 5 3D shapes quiz
Factual fluency (to aid fluency)	Identify and match circles, rectangles, squares and triangles https://www.topmarks.co.uk/early -years/shape-monsters	Complete this 2D shapes quiz: https://www.educationquizzes.co m/ks1/maths/year-2-shapes- describing-2d-shapes/	Scroll down to the 4 th box to complete another 2D shapes quiz: https://www.bbc.co.uk/bitesize/topics/z jv39j6/articles/ztpwdmn	Making patterns with 2D shapes Level 3: https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns	Sort 2D and 3D shapes: https://www.education.com/ game/2d-3d-shapes/
Problem/ activity of the day	(Lesson 1 resources below) <u>MAKING LINKS:</u> We learnt about solid shapes such as spheres, cuboids, cubes and pyramids in Year 1. Look below to remind yourself. <u>THINK:(support below)</u> Can you help me with this problem? Do the objects in this <u>video</u> have flat faces or curved surfaces? Or both? What 2D shapes can you see on the flat faces of the 3D shapes? <u>SEE: (model below)</u> Scroll below to see if each shape had flat faces, curved surfaces or both. You will also find out which 2D shapes were found on the flat faces. <u>DO:</u> Use what you have learnt today to solve the problems below.	 (Lesson 2 resources below) <u>MAKING LINKS:</u> Yesterday we learnt to recognise a range of 3D shapes. <u>THINK:(support below)</u> Can you help me with this problem? How many faces, edges and vertices do my 3D objects below have? What shapes are the flat faces? If you can find similar shaped objects in your household, this will help you to find the answers! <u>SEE: (model below)</u> Look at this video here to remind yourselves what faces, edges and vertices are and to help you find these features on one of my objects. <u>DO:</u> 1. Find the faces, edges and vertices of similar 3D shaped objects in your own house. Use what you have learnt today to solve the problems below. 	(Lesson 3 resources below) <u>MAKING LINKS:</u> Yesterday we learnt to describe 3D shapes. Remind yourself what faces, edges and vertices mean. <u>THINK:(support below)</u> Look at my set of 3D shapes below. I can't figure out how to sort them into groups! Can you help me? Try to sort them in different ways. <u>SEE: (model below)</u> Look below to see how I grouped my 3D shapes by size. How did you group yours? <u>DO:</u> Use what you have learnt today to solve the problems below. Challenge: Can you explain your answers in a statement?	(Lesson 4 resources below) <u>MAKING LINKS:</u> We learnt about making patterns in Year 1. Not sure? Look below to remind yourself. <u>THINK:(support below)</u> Can you help me with the problem below? What is missing in the pattern? How do you know? <u>SEE: (model below)</u> Watch this <u>video</u> to remind ourselves how to find the missing shape in pattern. You can also find another example below. <u>DO:</u> Use what you have learnt today to circle the missing shape in each pattern. <u>Challenge:</u> Can you create a 3D shapes pattern using solids that you can find at home or by drawing them?	Revision online games: (Optional) a) Identify 3D shapes game b) Group the 3D shapes game. DO: The quiz below Challenge: Can you find 3D shapes in your house? • 3 cuboids • 3 cylinders • 3 cubes Can you create your own pattern using these solids?
Methods, tips & clues	THINK video clip: above SEE model: below (day 1)	SEE model: below (day 2) SEE video clip: above	THINK problem: below SEE model: below (day 3)	THINK problem: below SEE video clip: above	None
Time to check	Answer sheet at the bottom of the document	Answer sheet at the bottom of the document	Answer sheet at the bottom of the document	Answer sheet at the bottom of the document	Answer sheet at the bottom of the document

See below for resources to support you to THINK-SEE-DO



Support Word and picture bank



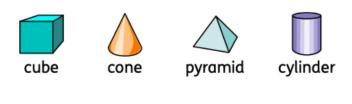
A line that bends smoothly in one direction without any straight parts.

curved





flat







An **edge** is where two faces meet

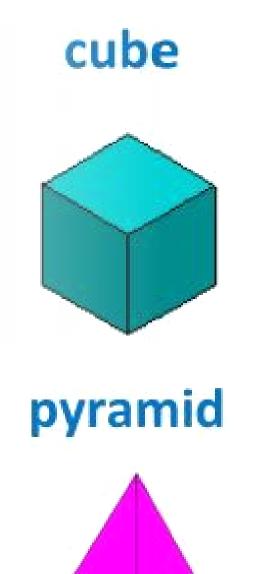


A $\ensuremath{\textit{face}}$ is the flat surface of the shape

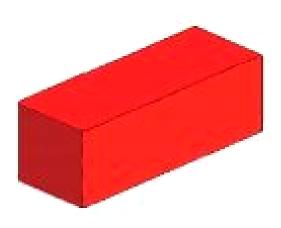


A vertex is where two or more edges meet

DAY 1 RESOURCES: Making links:



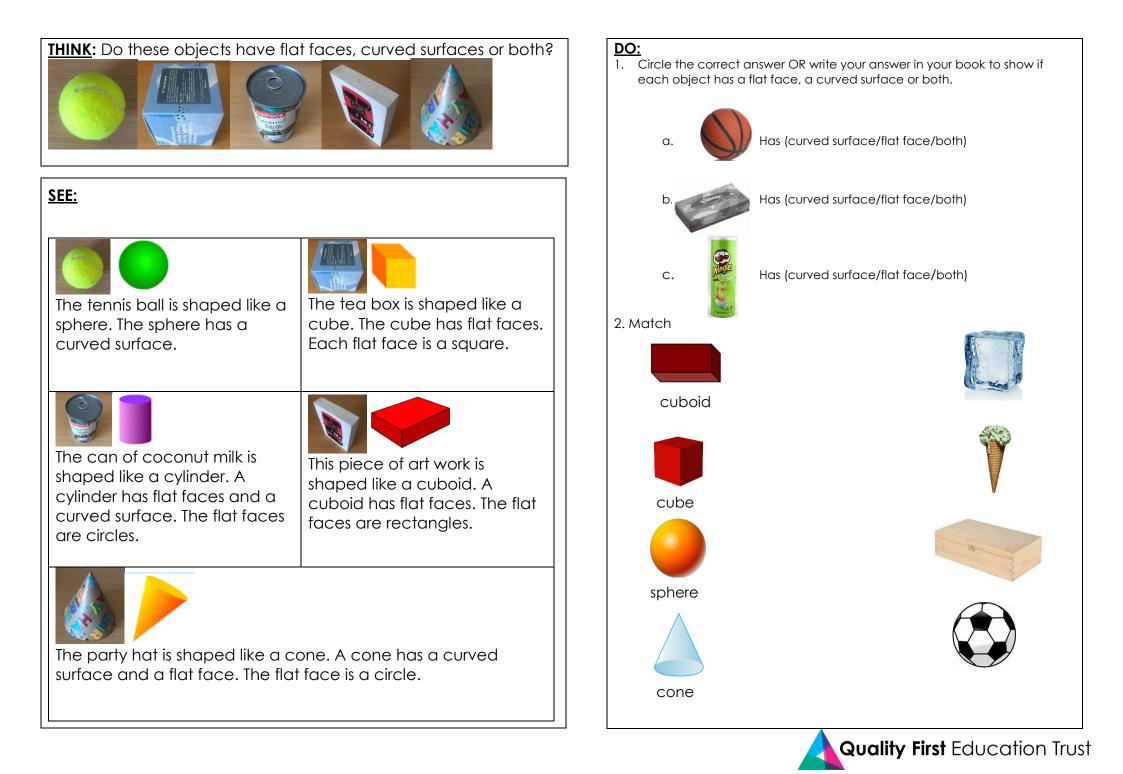
cuboid



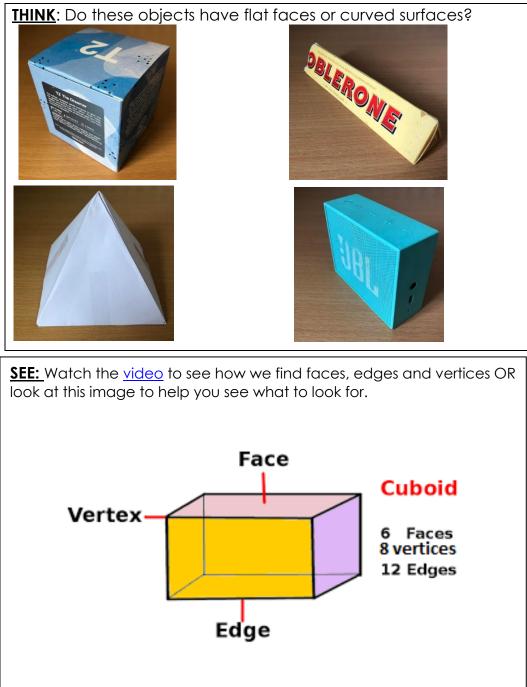
sphere







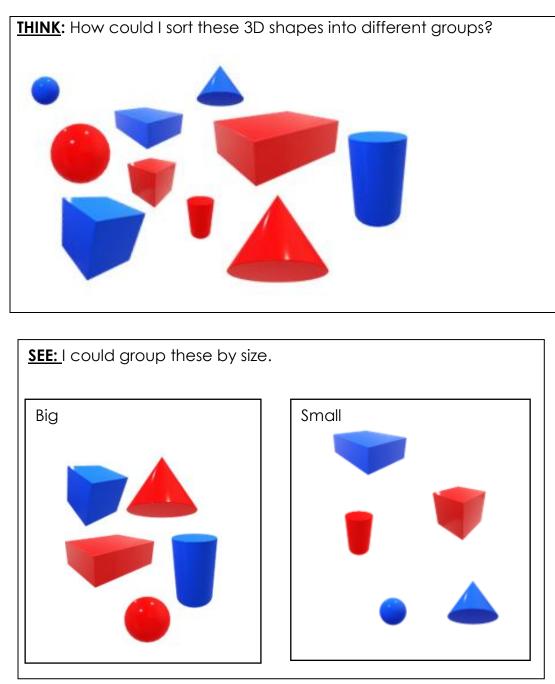
Day 2 Resources:



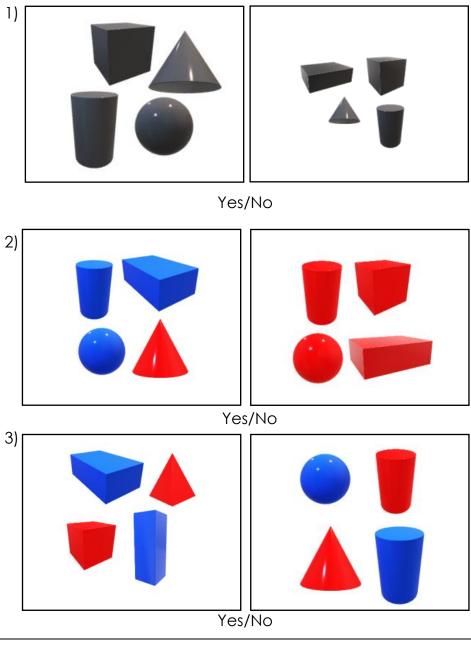
	Name		Number of vertices	
\square				
\triangle				
\bigtriangleup				
C hallenge: Vhat 2D sha	pes can you	u see on the fo	oces of the sh	apes?
2) 3)				



Day 3 Resources:



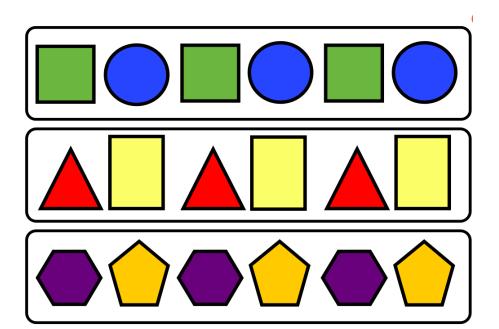
DO: Have these shapes been grouped correctly? **Challenge:** Explain your answer.





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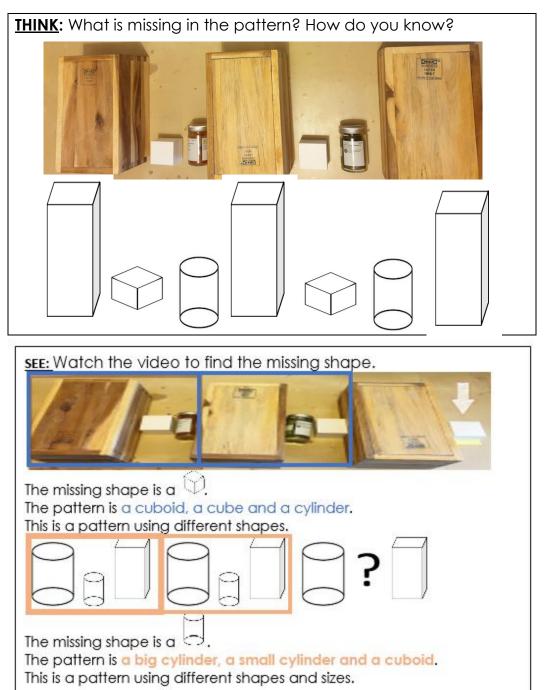
Day 4 Support Making links:

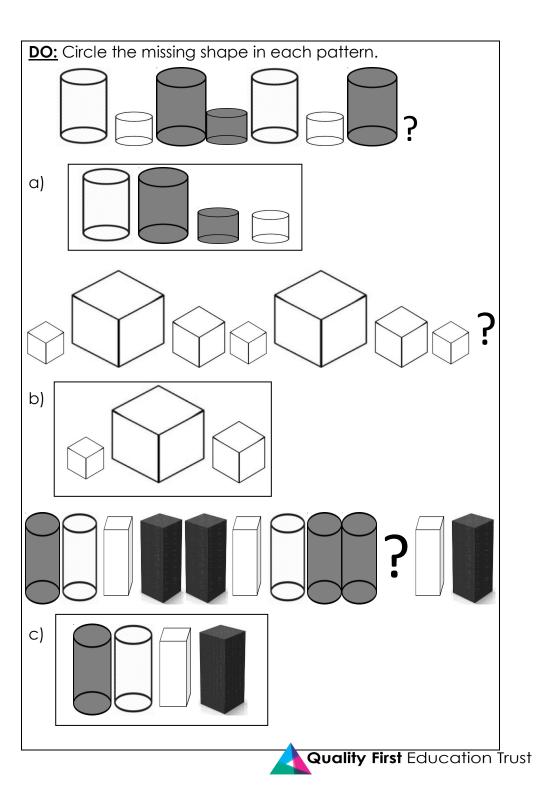


The shapes and colours are changing The shapes and colours are changing interpreterm interpr



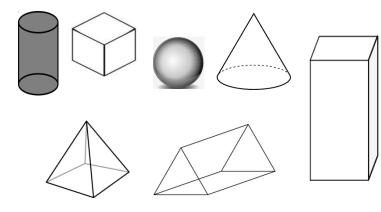
Day 4 Resources:





<u>Day 5 quiz:</u>

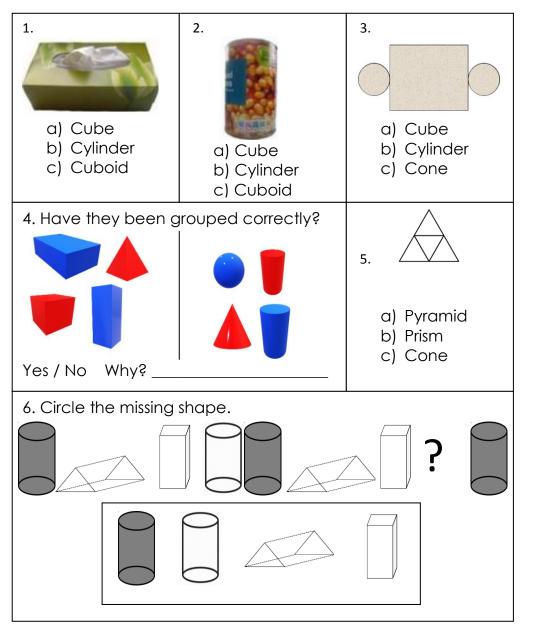
a) Circle the solids that have a curved face:



b)

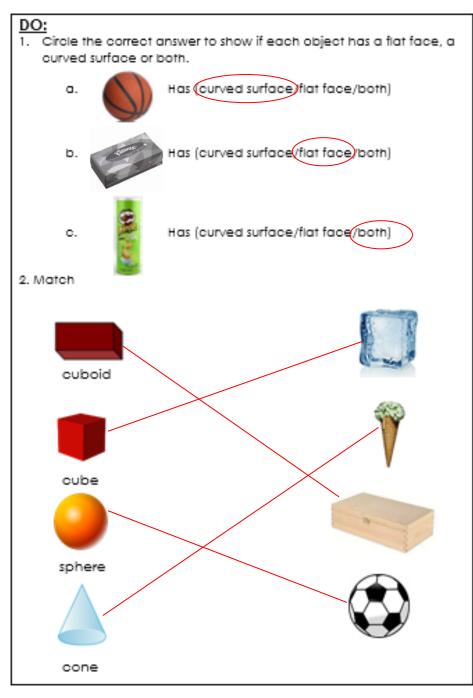
	Name	Number of faces	Number of vertices	Number of edges
\square				
		5	6	

c) Circle the right answer.





Answers: Day 1



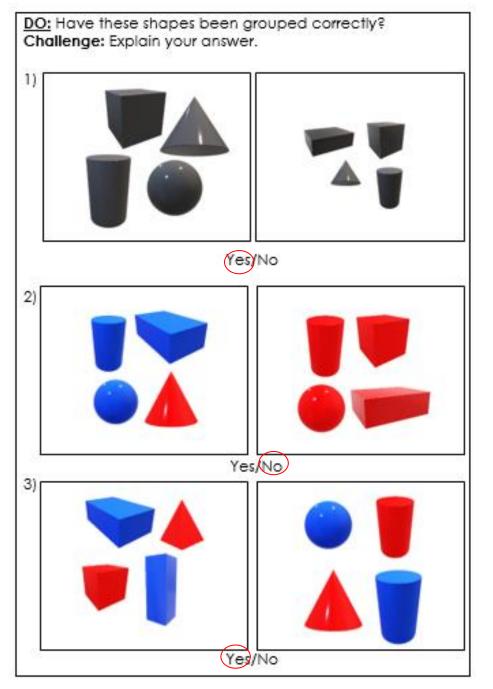
Day 2:

	Name	Number of faces	Number of vertices	Number o edges
\square	Cube	6	8	12
\square	Pyramid	5	5	8
	Cylinder	3	0	2
\bigcirc	Cone	2	1	1
	Prism	5	6	9

- 1) <u>squares</u>
- 2) triangles, square
- 3) <u>circles</u>
- 4) circle
- 5) rectangles, triangles



Day 3:



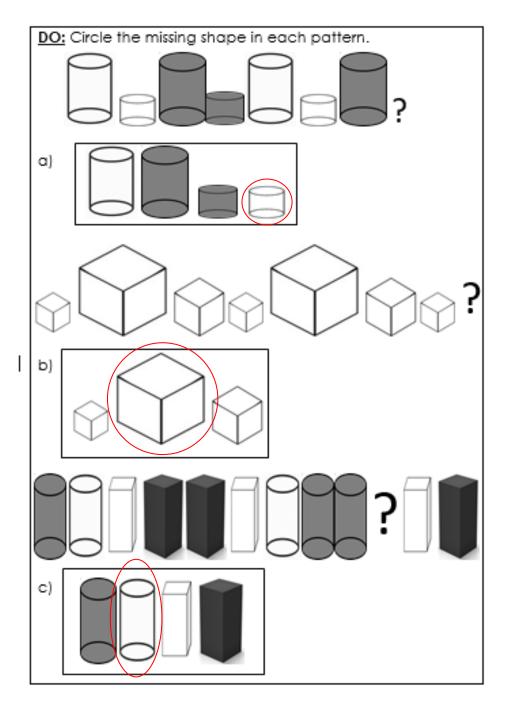
These 3D shapes are grouped correctly as they have been grouped by their size. The first box have large 3D shapes and the second box has small 3D shapes.

These 3D shapes are not grouped correctly. The cone should not be in the first box as it is red and not blue.

These 3D shapes are grouped correctly. The first box has 3D shapes with only flat faces. The second box had 3D shapes with some curved surfaces.



Day 4:



Day 5:

	Name	Number of faces	Number of vertices	Number of edges
\square	cube	6	8	12
	Square based pyramid	6	5	8
	cylinder	3	0	2
\bigwedge	Triangular prism	5	6	9
) cuboid) cylinder) cylinder	e right answ urfaces /cu		ace	

