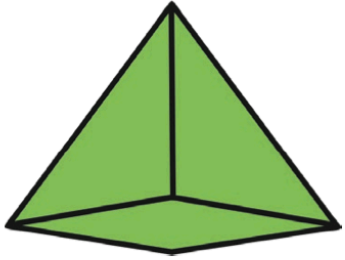
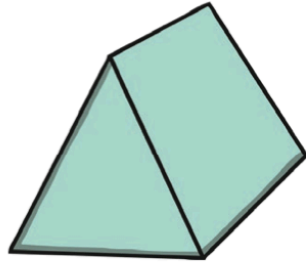


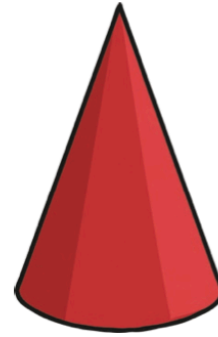
SHAPE LESSON 10



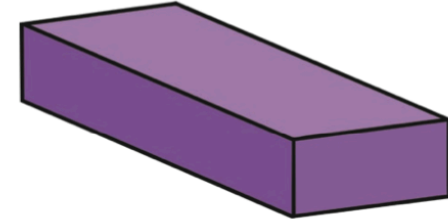
square-based pyramid



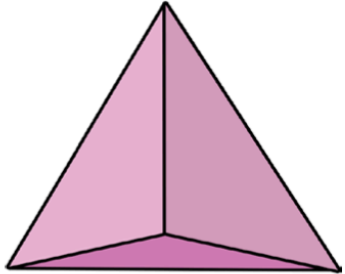
triangular prism



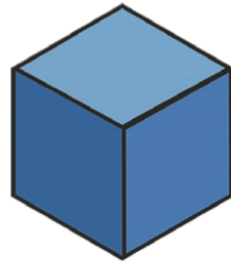
cone



cuboid



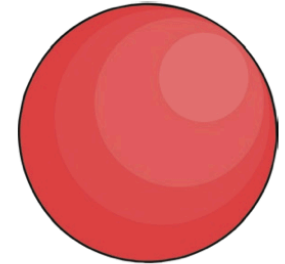
tetrahedron



cube



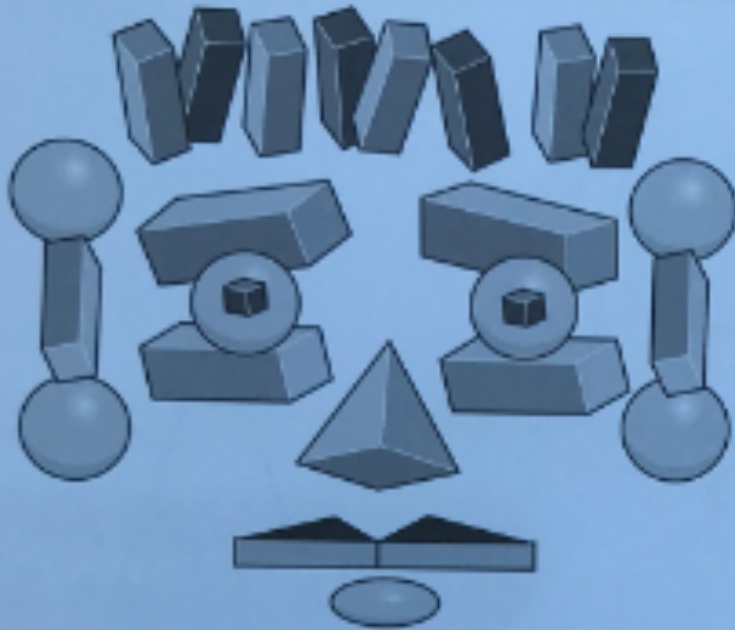
cylinder



sphere

RECALL

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



There are cuboids.

There are pyramids.

There are spheres.

Check them off as you count them!

Could you design another picture using 3D shapes?

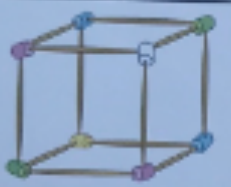

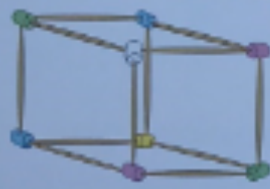



TO RECOGNISE 3D SHAPES AND THEIR PROPERTIES - VERTICES


Date Learning ladder ref

GUIDED PRACTICE

How many vertices does each shape have?

Shape	Number of vertices
	
	
	

Remember there is a  at each vertex.









What shapes are in the picture? Count the balls to help!

How many vertices to other 3D shapes have?



INTELLIGENT PRACTICE

Shape	Name	Faces 	Edges 	Vertices 
				
				
				

Use the resources to help you!

Can you add any other shapes to the table?



DIVE DEEPER

Jack says:



All 3-D shapes
have at least one
vertex.

Is this true or false?

Explain why

Look back at the shapes, can you see vertices on all of them?

Can you write your own true or false statement?



3D Shape Colouring

Use the key to colour in the 3D shapes correctly.

Key		
Clues	Name	Colour
no vertices, one curved surface and 2 flat circular faces		yellow
8 vertices, 12 edges the same length, 6 faces		orange
5 faces in total (4 faces are triangles and 1 is a square)		green
one apex, one circular face		red
8 vertices, 12 edges, 6 faces (2 square, 4 rectangular)		purple
no edges, no vertices and one curved surface		blue

