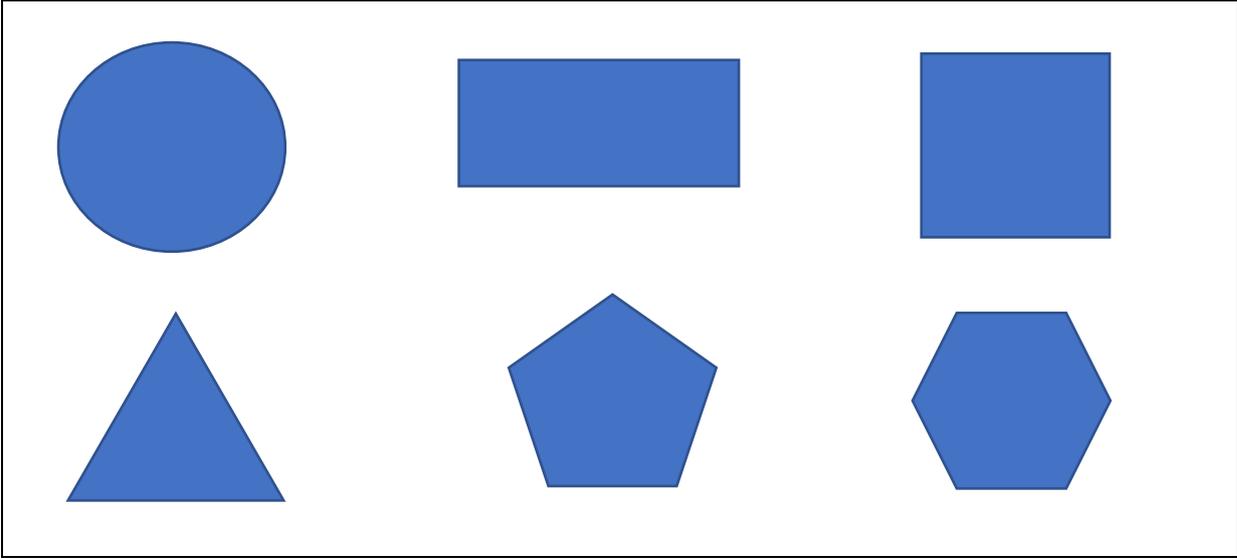
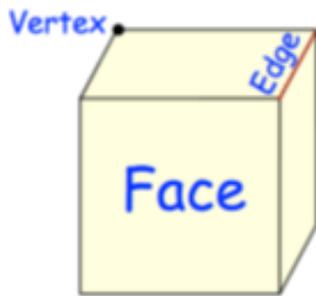


Y1 Maths Distance Teaching and Learning

Week beginning: 8th June 2020

Lesson 1		
Learning Intention: WALT Describe 3D shapes.	Key Vocabulary: 2D, 3D, shape, flat, curved, straight, circle, rectangle, square, triangle, pentagon, hexagon, edge, face, corner, vertices.	What you will need: Maths S2 Week 2 Lesson 1 Video, pencil, paper
Starter		
<p>In our warm-up today we are going to recap on 2D shapes. Look at the shapes below or at the shapes in the video. First point to the triangle. Now point to the square. Next point to the circle. Then point to the rectangle. Finally point to the pentagon. Which shape did you not point at? What is it called? Look at all the shapes and then close your eyes. Your adult can cover one shape with a book. Can you name the shape they have covered? Repeat with a different shape.</p>		
		
Main Teaching		
<p>Today we are going to be describing 3D shapes. 3D shapes are shapes that are not flat like 2D shapes. We can describe their edges, faces and corners/vertices.</p>		

Edges, Faces and Vertices



You can slide your finger along the edges. This cube has 10 straight edges. You can point to the corners/vertices. This cube has 8 vertices. You can tap the faces. This cube has 6 square faces.

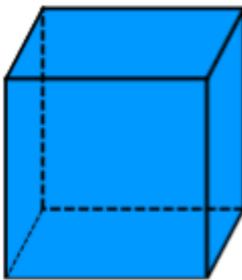
In today's lesson we are going to be describing different 3D shapes. Watch the video or use the images of each shape below to complete the descriptive sentences.

Independent Tasks

Choose challenge 1,2 or 3 and then check your answers with the mark scheme. For an extra challenge, try Challenge X.

Challenge 1

Look carefully at each shape and fill in the missing numbers in the sentences.



This is a cube.

It has _____ corners/vertices.

It has _____ straight edges.

It has _____ square faces.



This is a cuboid.

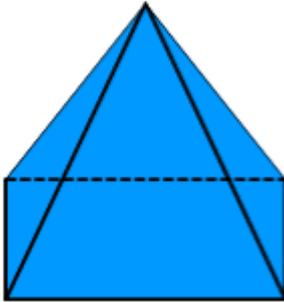
It has _____ corners/vertices.

It has _____ straight edges.

It has _____ faces.

Challenge 2

Look carefully at each shape and fill in the missing numbers in the sentences.

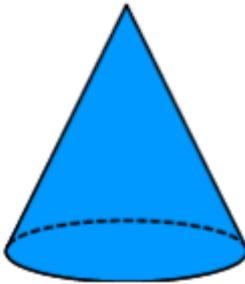


This is a pyramid.

It has _____ corners/vertices.

It has _____ straight edges.

It has _____ faces.



This is a cone.

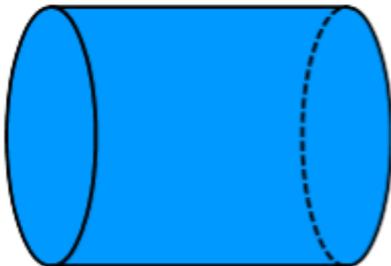
It has _____ corner/vertex.

It has _____ curved edge.

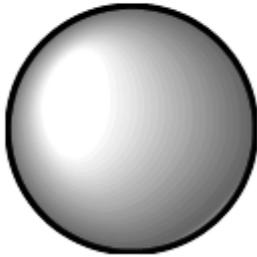
It has _____ faces. One is flat and one is curved.

Challenge 3

This is a cylinder. Write two sentences to describe this shape.

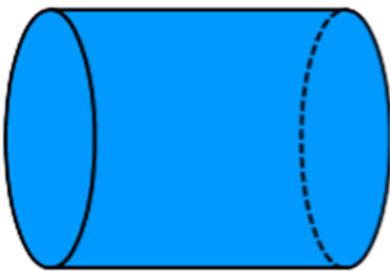


Challenge X- This is a sphere, a 3D shape. It is not a circle. Can you find something in your home that is a sphere shape? Tell your adult something about the object you find. You need to use the word face, corner or edge.



Review

In today's lesson we have started to describe the different features of 3D shapes. 3D shapes are not flat like 2D shapes. We can use words and numbers to describe 3D shapes. In challenge 3 you needed to think of your own describing sentences to describe a 3D cylinder. Can you tell your adult a sentence to describe this 3D shape? Look in the mark scheme to see if you thought of any sentences that match mine.



Mark Scheme – Lesson 1

Independent Tasks

Challenge 1

This is a cube.
It has 8 corners/vertices.
It has 12 straight edges.
It has 6 square faces.

This is a cuboid.
It has 8 corners/vertices.
It has 12 straight edges.
It has 6 faces.

Challenge 2

This is a pyramid.
It has 5 corners/vertices.
It has 8 straight edges.
It has 5 faces.

This is a cone.
It has 1 corner/vertex.
It has 1 curved edge.
It has 2 faces. One is flat and one is curved.

Challenge 3 and review

Possible sentences to match a cylinder.

It has 3 faces. 2 flat and 1 curved.
It has 0 corners/vertices.
It can roll.
It has 2 circular faces.
It has 2 curved edges.

Challenge X

Possible sentences to match a sphere.

It has a curved face.
It has no corners/vertices.
It has no edges.