

Key concepts and questions

What are 2D shapes?

- 2D shapes are 'flat' shapes.
- They are defined by their properties. For example, all shapes that have 3 straight sides and 3 vertices are triangles.

What are 3D shapes?

- 3D shapes are fat.
- They have faces made up of 2D shapes.
- 3D shapes can stack, roll or both.

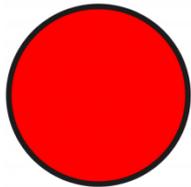
Key Vocabulary

2D shape	A two dimensional, 'flat' shape
3D shape	A three dimensional, 'fat' shape
Side	A straight or curved line that joins vertices of 2D shapes
Edge	The line where two faces of a 3D shape meet.
Face	The flat surface of a 3D shape
Vertices	Corners in both 2D and 3D shapes.

Representations

If a shape is in a different orientation, upside down or sideways it doesn't change its properties.

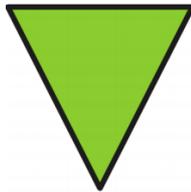
2D shapes



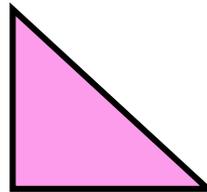
circle



rectangle

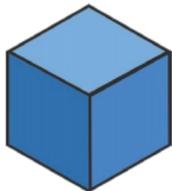


triangles

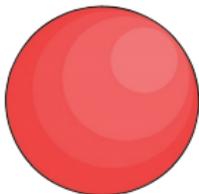


squares

3D shapes



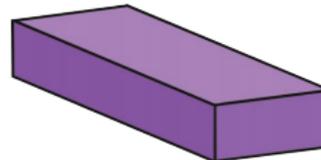
cube



sphere



cylinder



cuboid



cone

Making connections

When we find fractions of shapes, we must make sure the parts are equal.

