

Key concepts and questions

What is the difference between a 2D shape and a 3D shape?

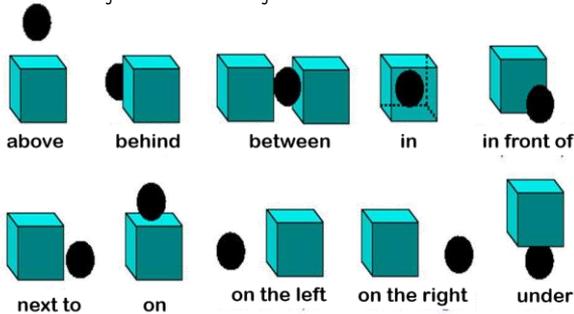
- 2D shapes are 'flat' shapes, 3D shapes are 'fat'.
- 3D shapes have faces made of 2D shapes and can stack, roll or both.

How can you describe position and direction?

- An object could move forwards, backwards, left, right, up and down.



- An object's position can be compared to the position of another object.



- An object could turn clockwise or anti-clockwise



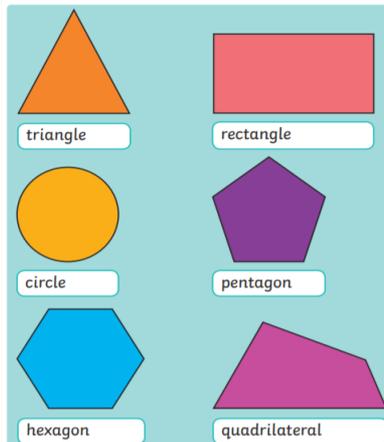
- An object can make a quarter turn, half turn, three-quarter turn or a full turn.

Key Vocabulary

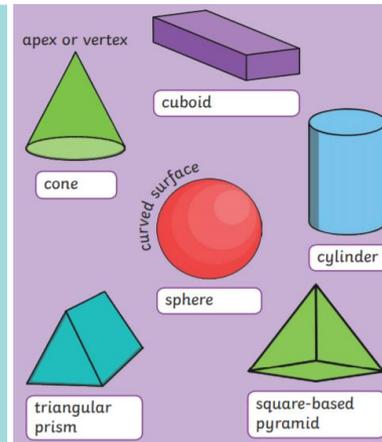
2D shape	A two dimensional, 'flat' shape
3D shape	A three dimensional, 'fat' shape
Quadrilateral	A 4 sided shape made of straight lines.
Symmetry	Something is symmetrical when it's the same on both sides, e.g. a butterfly
Side	A straight or curved line that joins corners of 2D shapes
Edge	The line where two faces of a 3D shape meet.
Face	The flat surface of a 3D shape
Vertices	A corner in both 2D and 3D shapes
Clockwise	The same direction a clock's hands move
Anti-clockwise	The opposite direction to the way a clock's hands move

Representations

Common 2D shapes



Common 3D shapes



Making connections

Turns are linked to fractions

