



Year 1 properties of shapes

Prior Knowledge (from Reception)

- Select, rotate and manipulate shapes to develop spatial reasoning skills
- Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can
- Continue, copy and create repeating patterns

Properties of shapes



Recognise and name common 2-D and 3-D shapes.

Working
Towards

Within

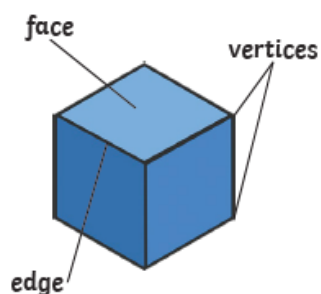
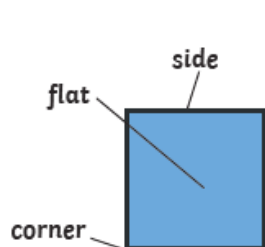
Expected

Above

Highlights:



Glossary



circle



rectangle



square



triangle



cube



cuboid



cone



cylinder



pyramid



sphere



Resources



circle



rectangle



square



triangle



cube



cuboid



cone



cylinder



pyramid



sphere





Future Learning

Year 2

- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- Identify 2-D shapes on the surface of 3-D shapes
- Compare and sort common 2-D and 3-D shapes and everyday objects

Year 6

- Draw 2-D shapes using given dimensions and angles
- Recognise, describe and build simple 3-D shapes, including making nets
- Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
- Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles