Every 3-dimensional shape has three measurements to describe it: **height, length and width.**
A face is one of the flat sides of a three-dimensional shape.

A cuboid has 6 flat faces. This cuboid has 2 square faces and 4 rectangular faces.
An edge is the line where two faces touch.

A square-based pyramid has 8 edges.
Vertices are the corners of a 3D shape, where three or more edges meet. A single corner is called a vertex.

A triangular prism has 6 vertices.
If you cut a prism anywhere along its length, the two opposite faces will remain the same shape and size as the original.
A prism always has the same shape at either end.

A prism will always have rectangular faces on the sides.
Polyhedron is another name for a 3D shape.

A **regular polyhedron** is a 3D shape with all the faces the same shape.
3D Shapes

Tetrahedrons

This is a tetrahedron. It is a regular polyhedron.

Its 4 faces are all equilateral triangles.
This is an octahedron. It is a regular polyhedron.

Its 8 faces are all equilateral triangles.
This is a dodecahedron. It is a regular polyhedron.

Its 12 faces are all regular pentagons.
This is an icosahedron.
It is a regular polyhedron.

Its 20 faces are all equilateral triangles.
What type of shape is this?
Which 2D shape is at its ends?
How many vertices does it have?
How many faces does it have?
What type of polyhedron is this?
Which 2D shapes make up its faces?
How many vertices does it have?
How many faces does it have?
What type of polyhedron is this?
Which 2D shapes make up its faces?
How many vertices does it have?
How many faces does it have?
What is this shape’s name?
Which 2D shape is at its end?
How many vertices does it have?
How many faces does it have?
What type of shape is this?
Which 2D shape is at its ends?
How many vertices does it have?
How many faces does it have?
What type of shape is this?
Which 2D shape is at its ends?
How many vertices does it have?
How many faces does it have?
What type of polyhedron is this? Which 2D shapes make up its faces? How many vertices does it have? How many faces does it have?
What type of shape is this?
Which 2D shapes make up its faces?
How many vertices does it have?
How many faces does it have?
What type of shape is this?
Which 2D shape is at its ends?
How many vertices does it have?
How many faces does it have?
What type of shape is this?
Which 2D shape is at its ends?
How many vertices does it have?
How many faces does it have?
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