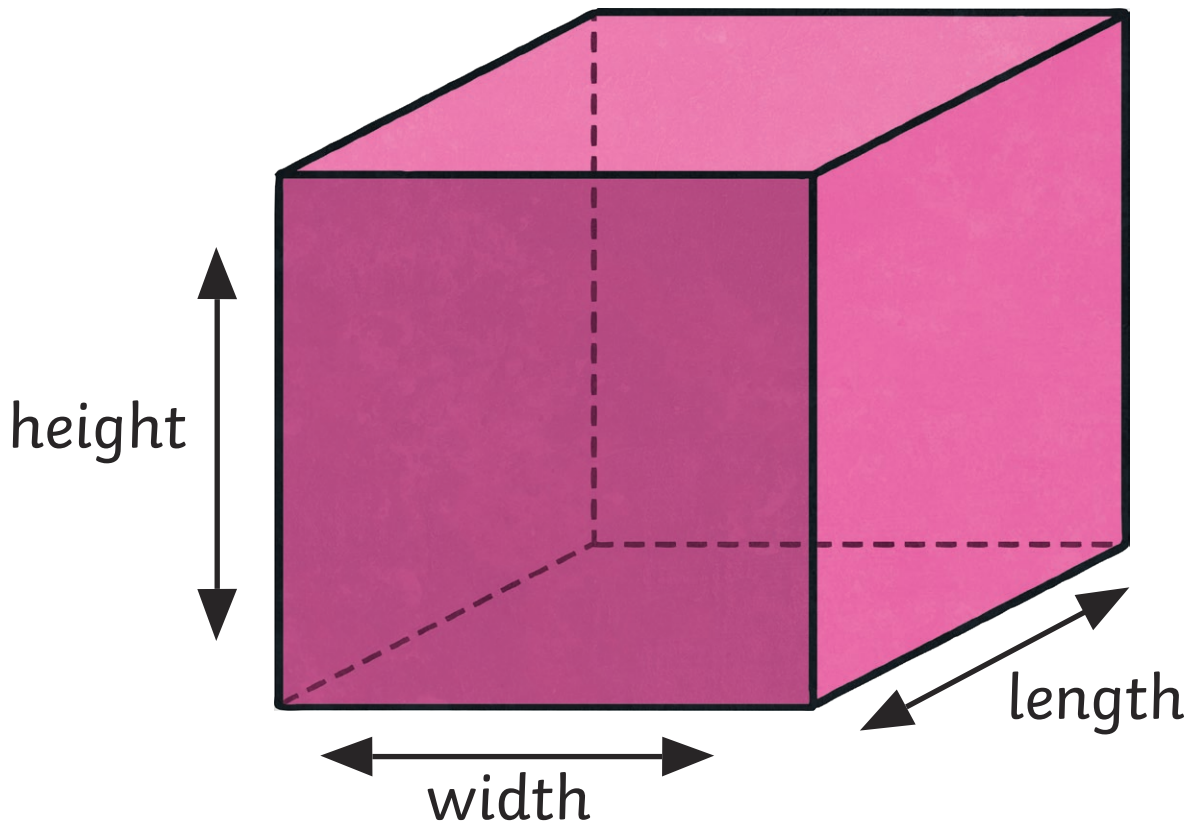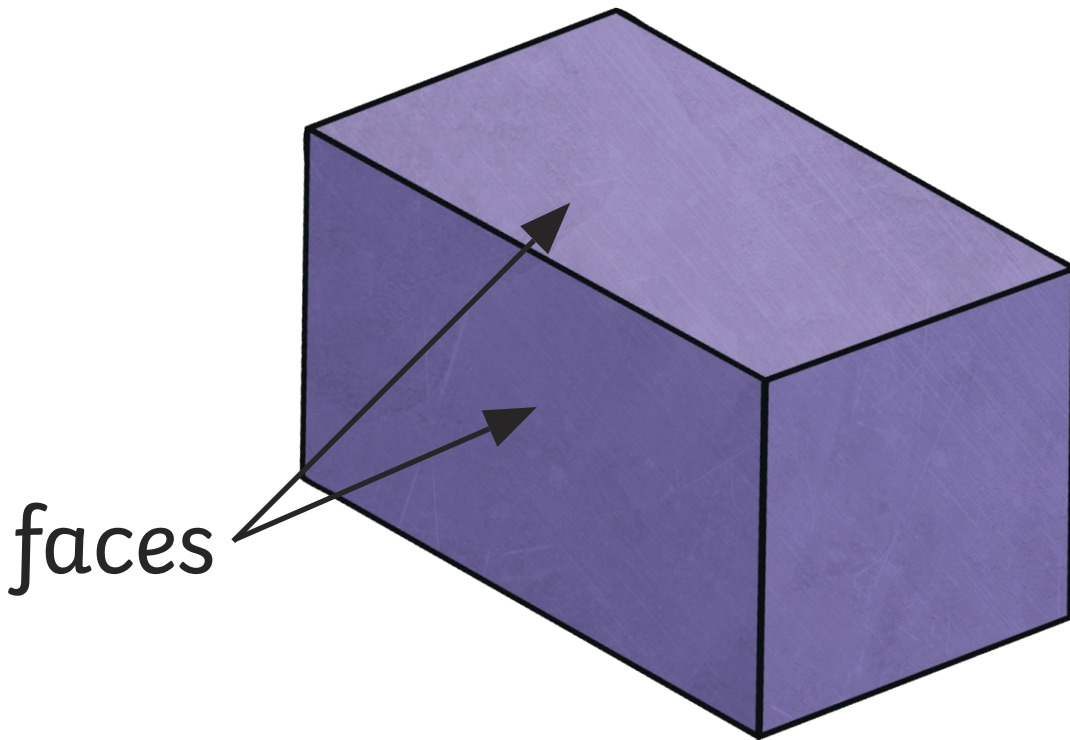# 3D Objects

Every 3-Dimensional object has three measurements. These are length, height and width.

3D Objects
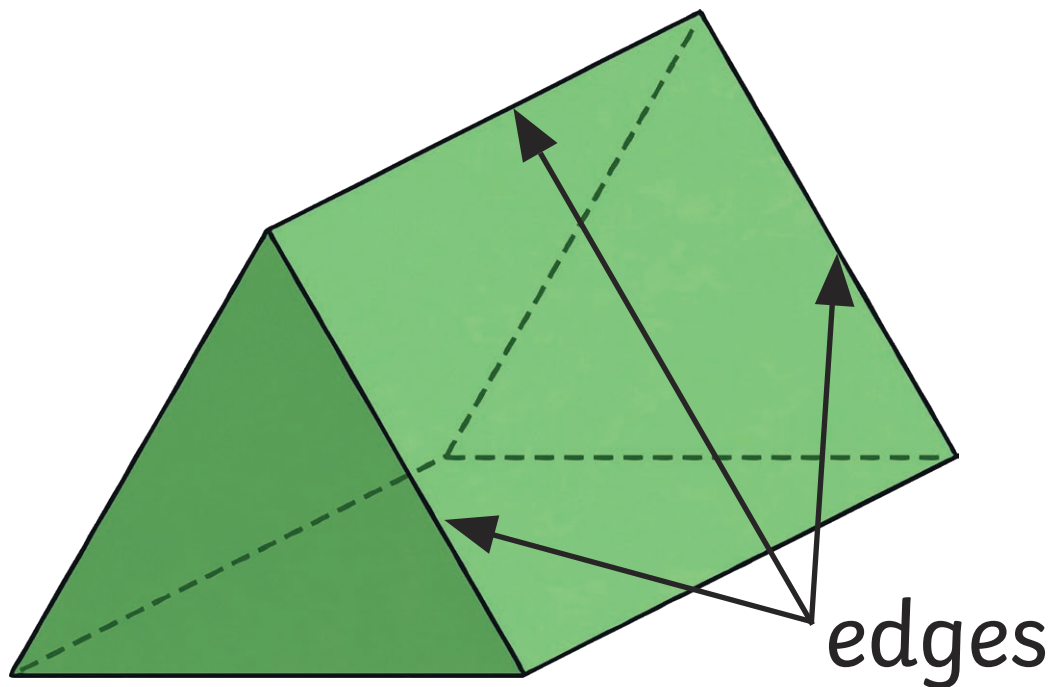
Faces

faces

Faces are the flat sides on a object. This cuboid has 2 square faces and 4 rectangle faces.
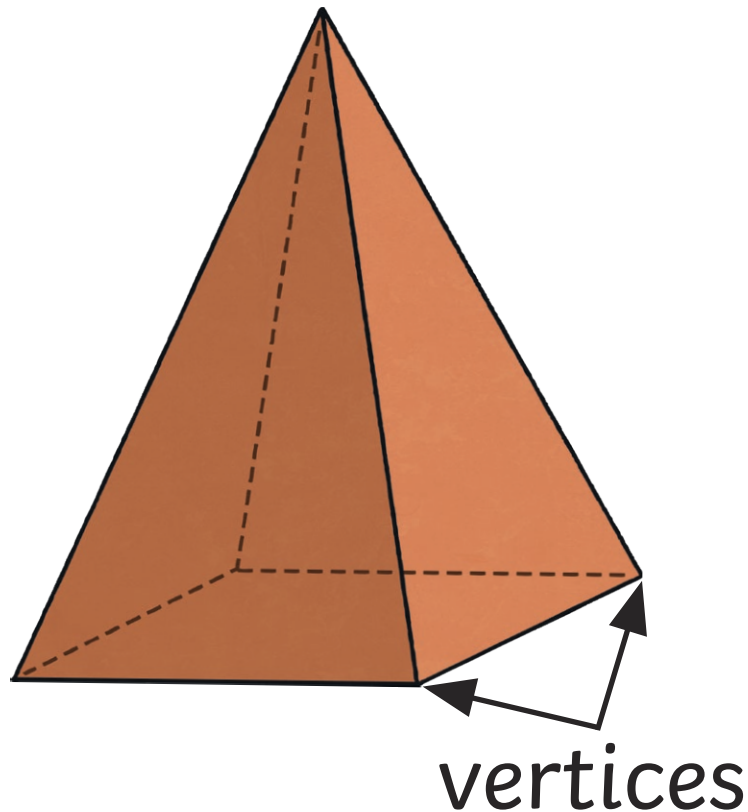
Edges

edges

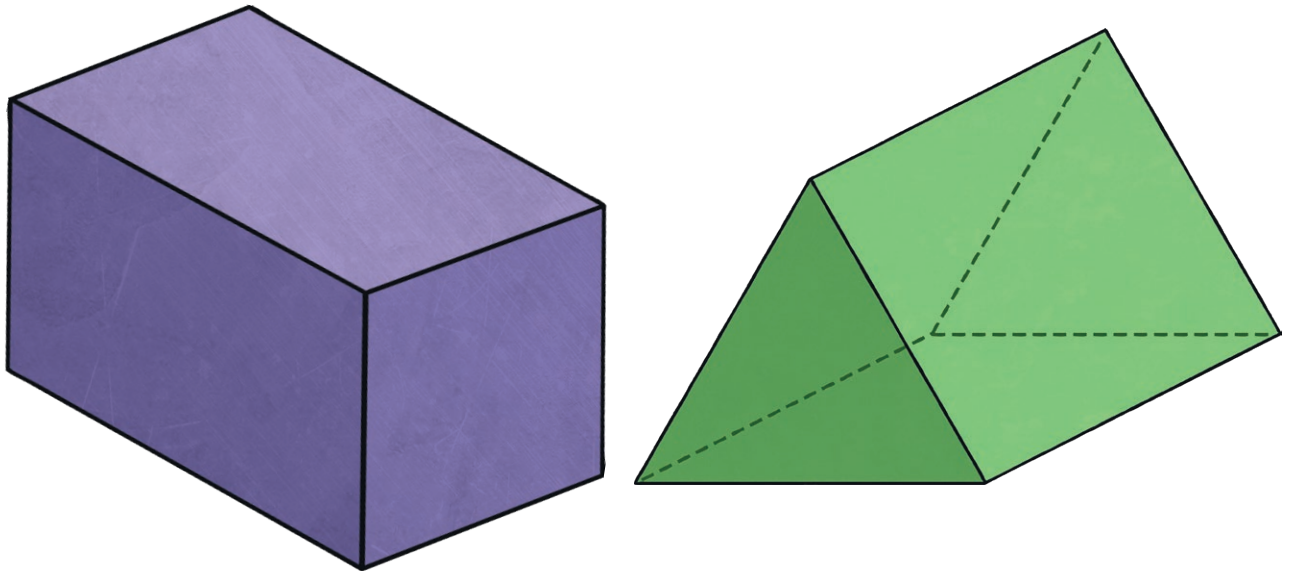Edges are the lines where two faces meet. A triangular prism has 9 edges.

Vertices

vertices

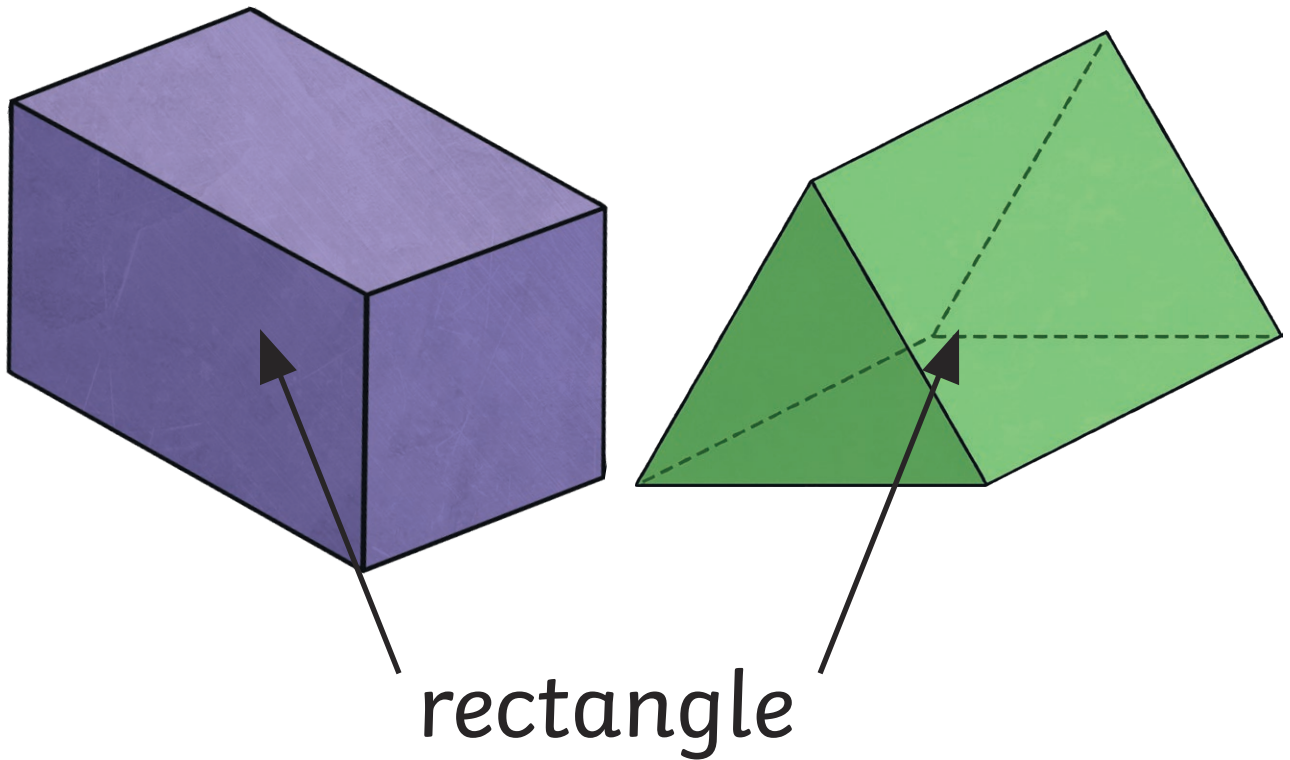Vertices are the corners of a 3D object, where three or more edges meet.

3D Objects
Prisms

A prism always has the same object at both ends. If you cut the prism in half, the cross-section will be the same object and size as both the ends.
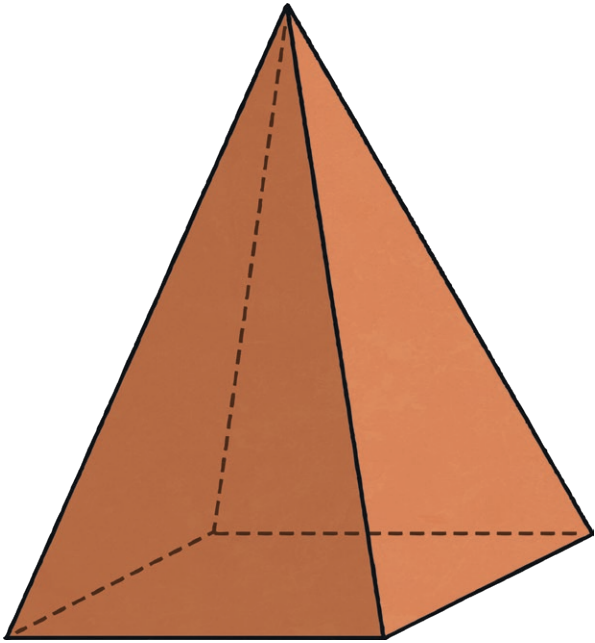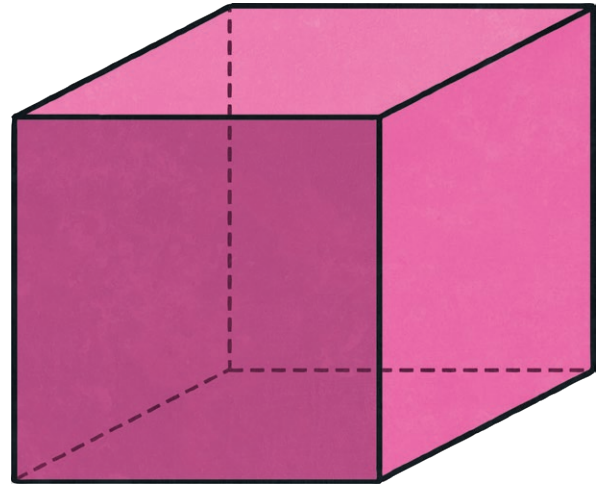
3D Objects

Prisms

rectangle

A prism always has rectangular faces on the sides.
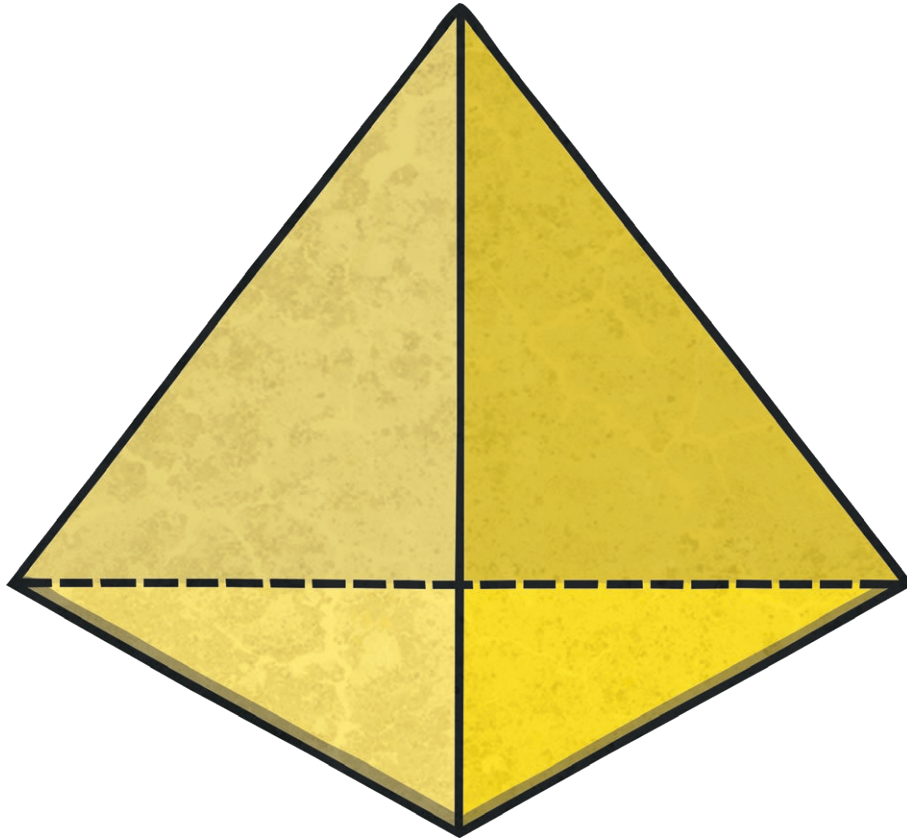
Polyhedron

polyhedron

regular
polyhedron

A polyhedron is a 3D object
that has flat faces and straight
edges. A regular Polyhedron is
a 3D object with all of its faces
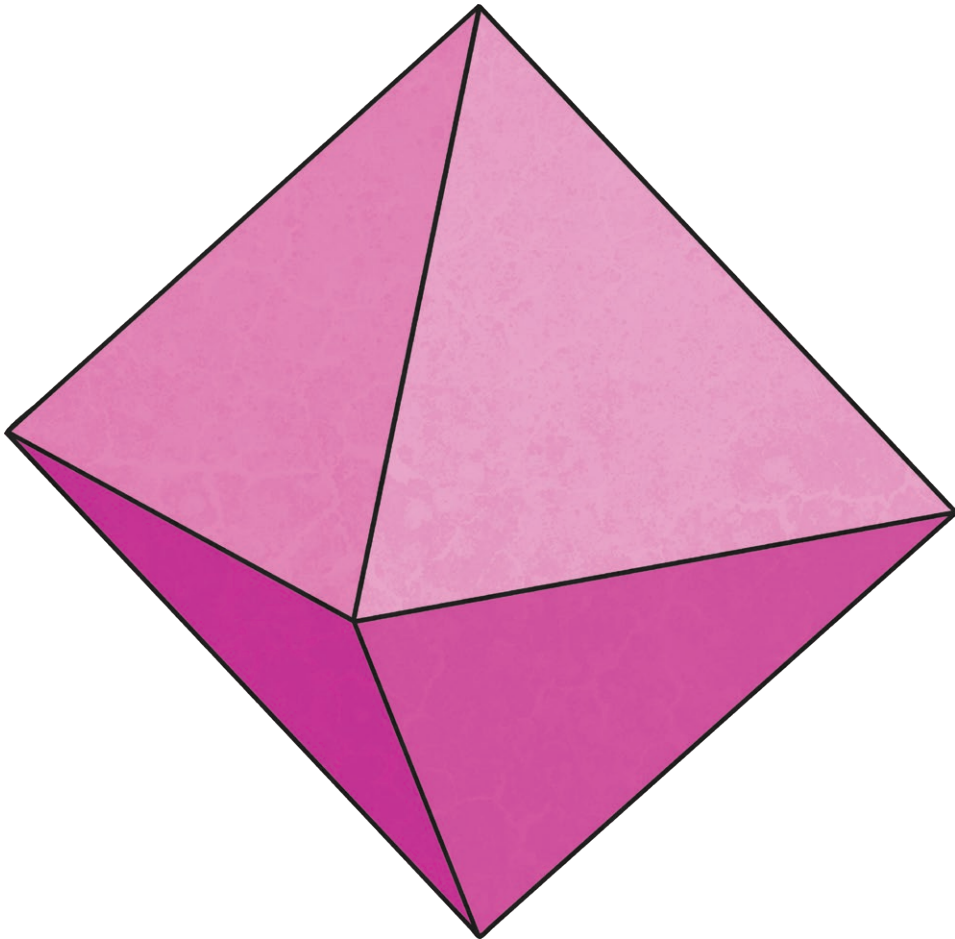the same size and shape.

Tetrahedron

A tetrahedron is a regular polyhedron. Its 4 faces are all equilateral triangles.

3D Objects

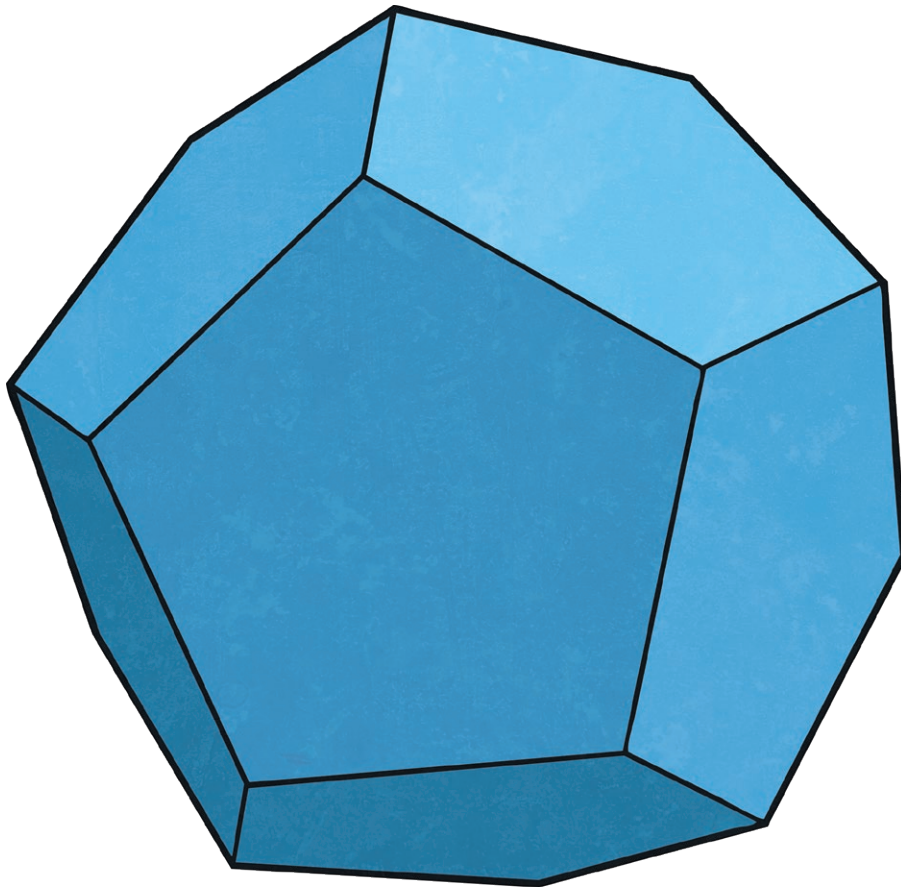# Octahedron

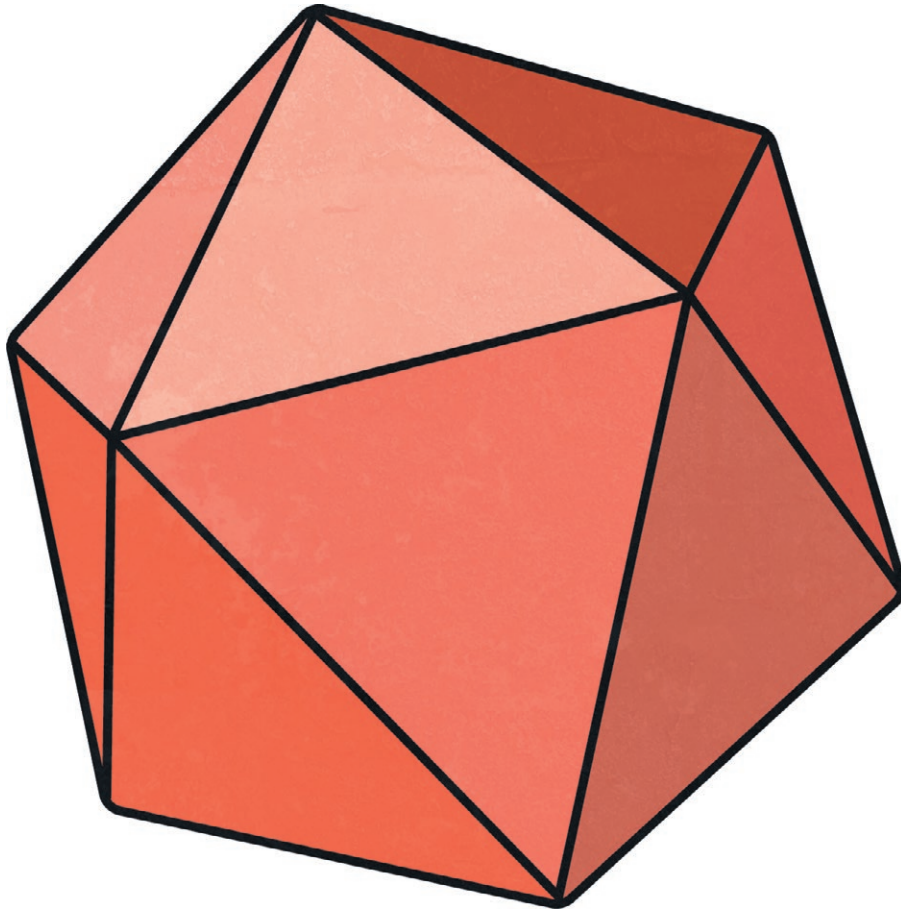An octahedron is a regular polyhedron. Its 8 faces are all equilateral triangles.

Dodecahedron

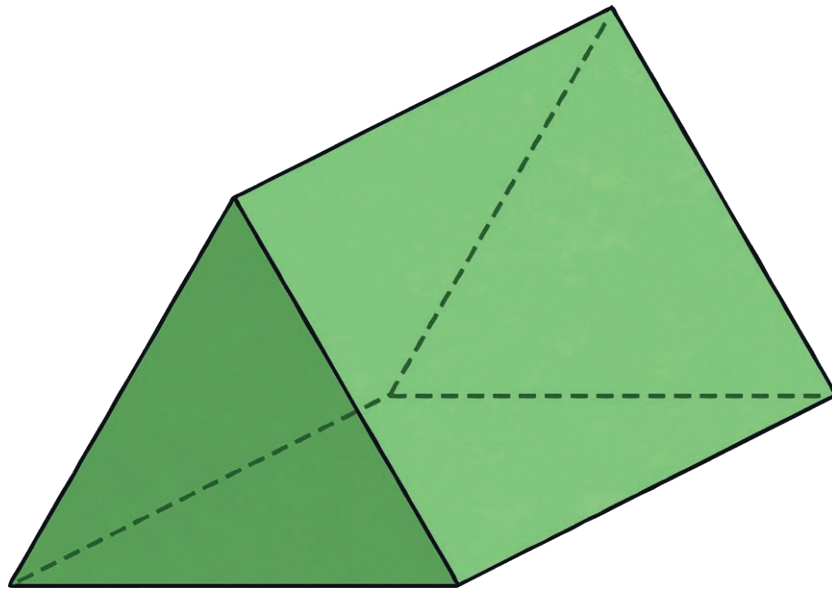A dodecahedron is a regular polyhedron. Its 12 faces are all regular pentagons.

Icosahedron

An icosahedron is a regular polyhedron. Its 20 faces are all equilateral triangles.
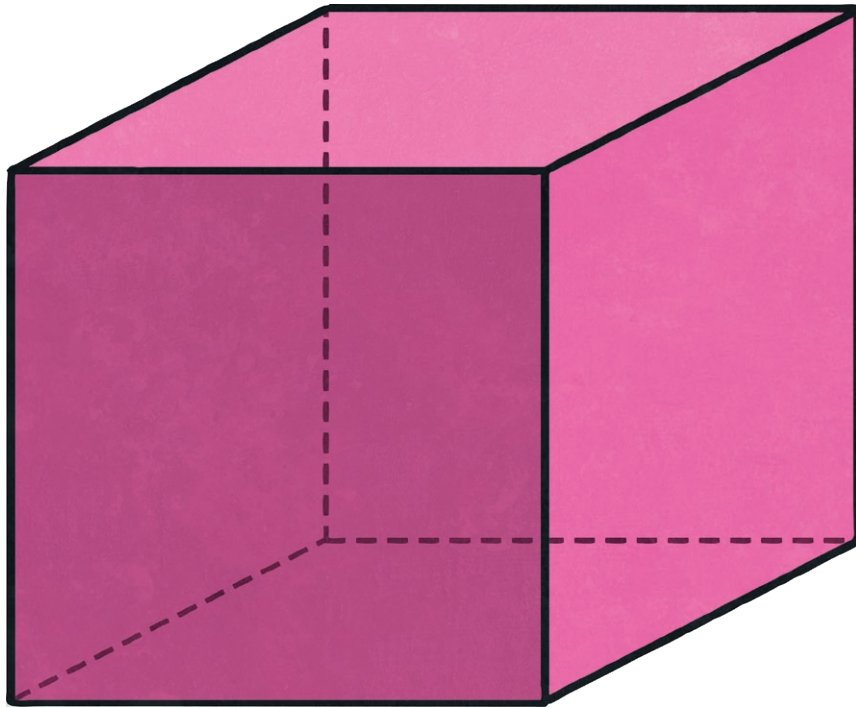
3D Objects
Object Quiz

What type of object is this?

Which 2D shape is at each end?

How many faces does it have?
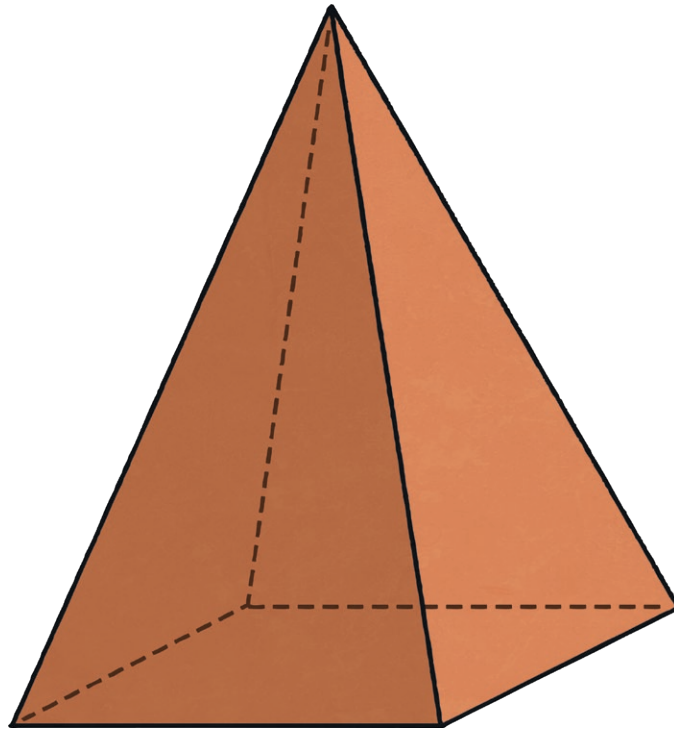
How many edges does it have?

3D Objects
Object Quiz

What type of object is this?

Which 2D shape makes up its faces?

How many faces does it have?

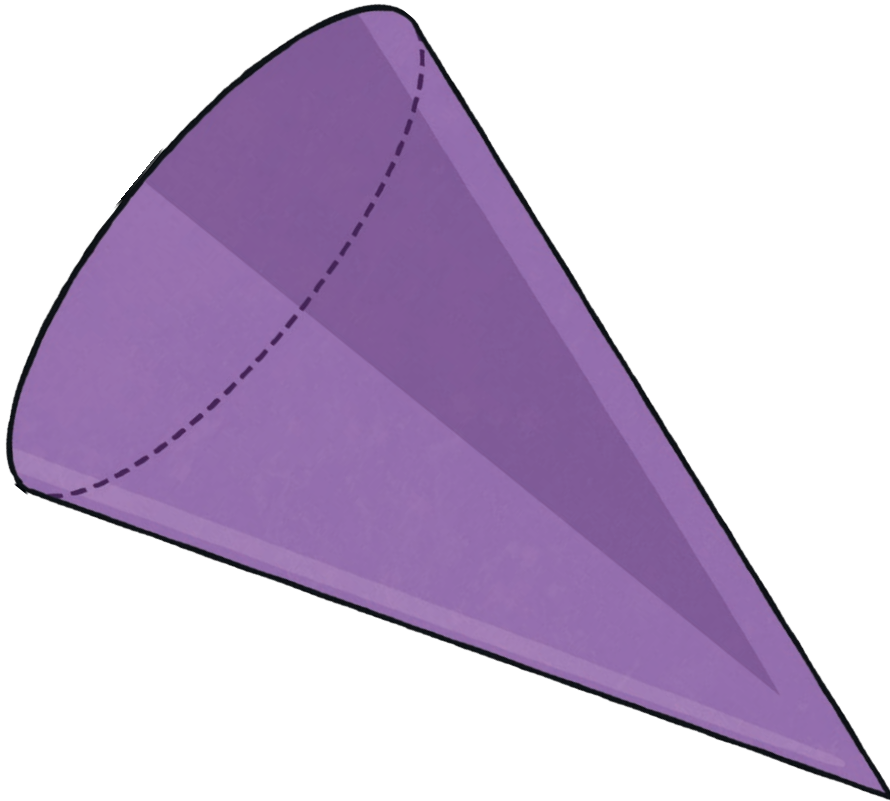How many vertices does it have?

3D Objects
Object Quiz

What type of polyhedron is this?

Which 2D shape makes up its faces?

How many faces does it have?

How many vertices does it have?

Object Quiz

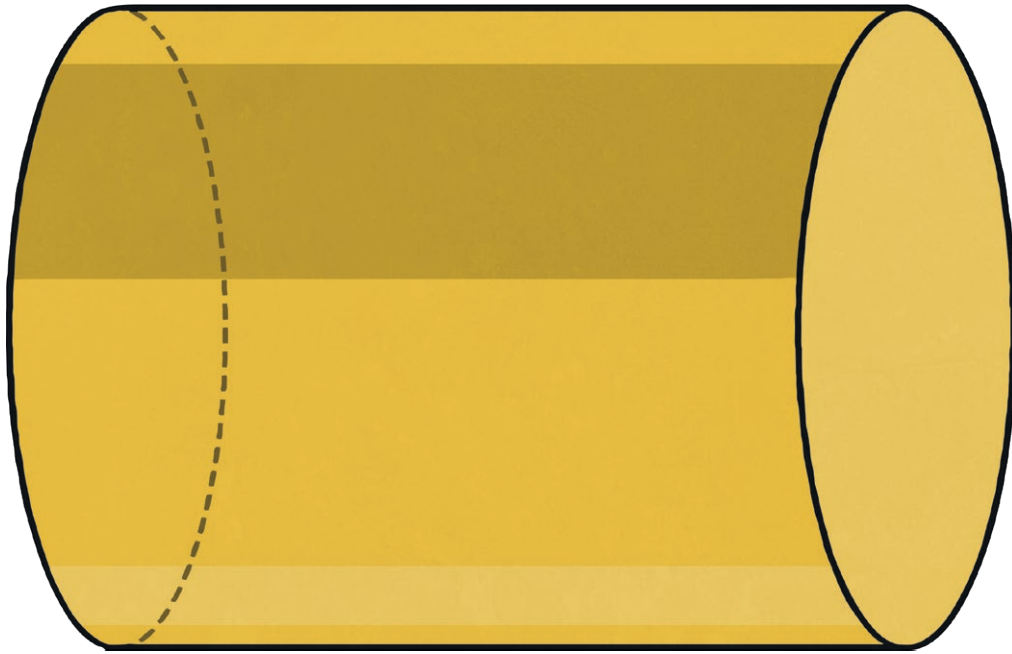What is the name of this object?

Which 2D shape is at its end?

How many faces does it have?

How many edges does it have?

3D Objects
Object Quiz

What is the name of this object?
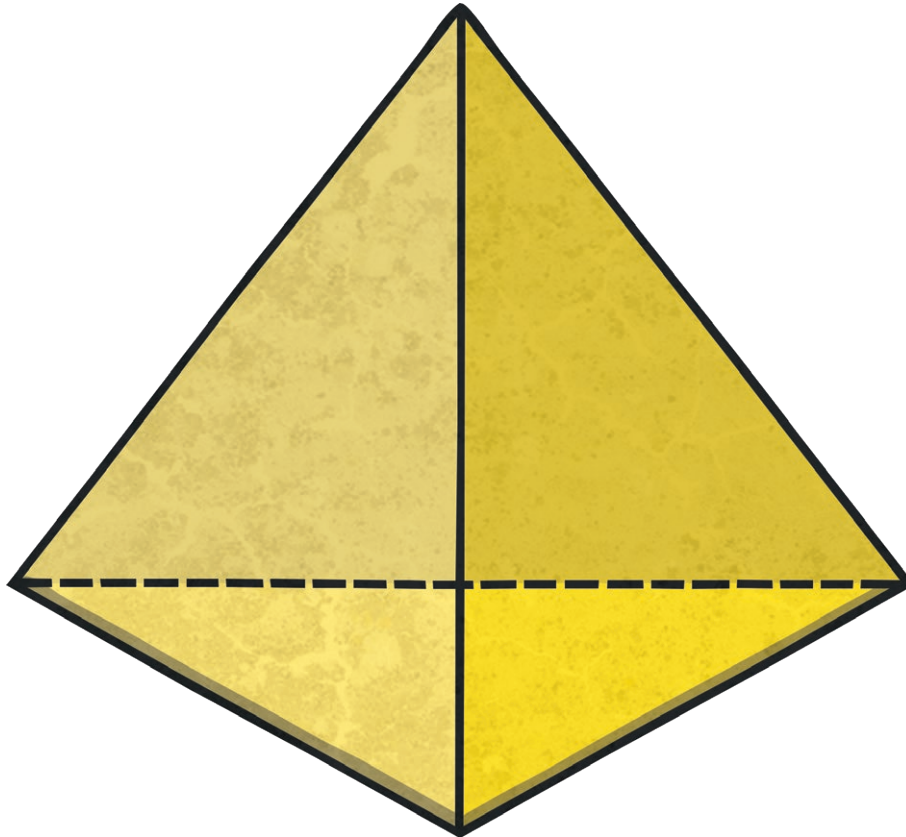
Which 2D shape is at its end?

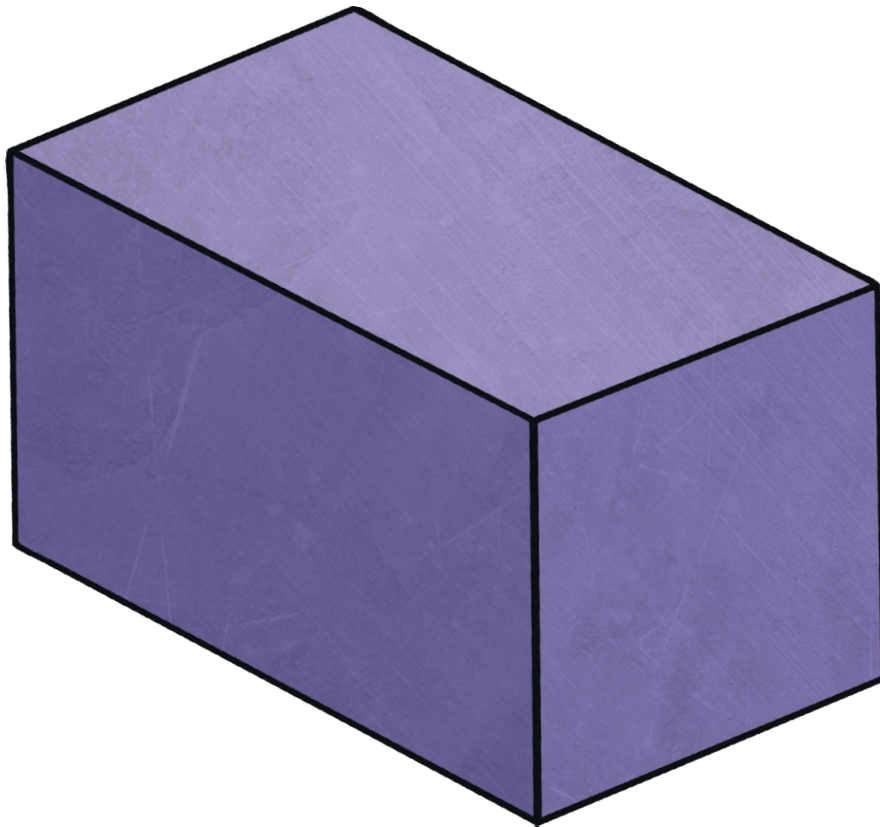How many vertices does it have?

How many edges does it have?

Object Quiz

What type of object is this?

How many faces does it have?

How many vertices does it have?

How many edges does it have?

3D Objects
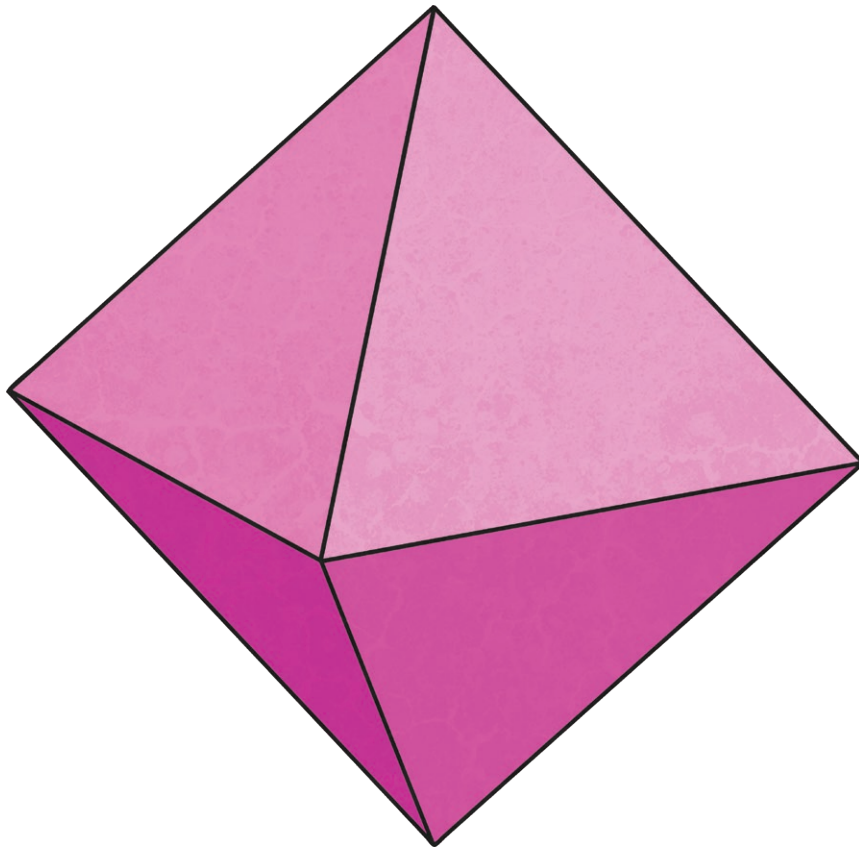
Object Quiz

What type of object is this?

How many faces does it have?

How many vertices does it have?
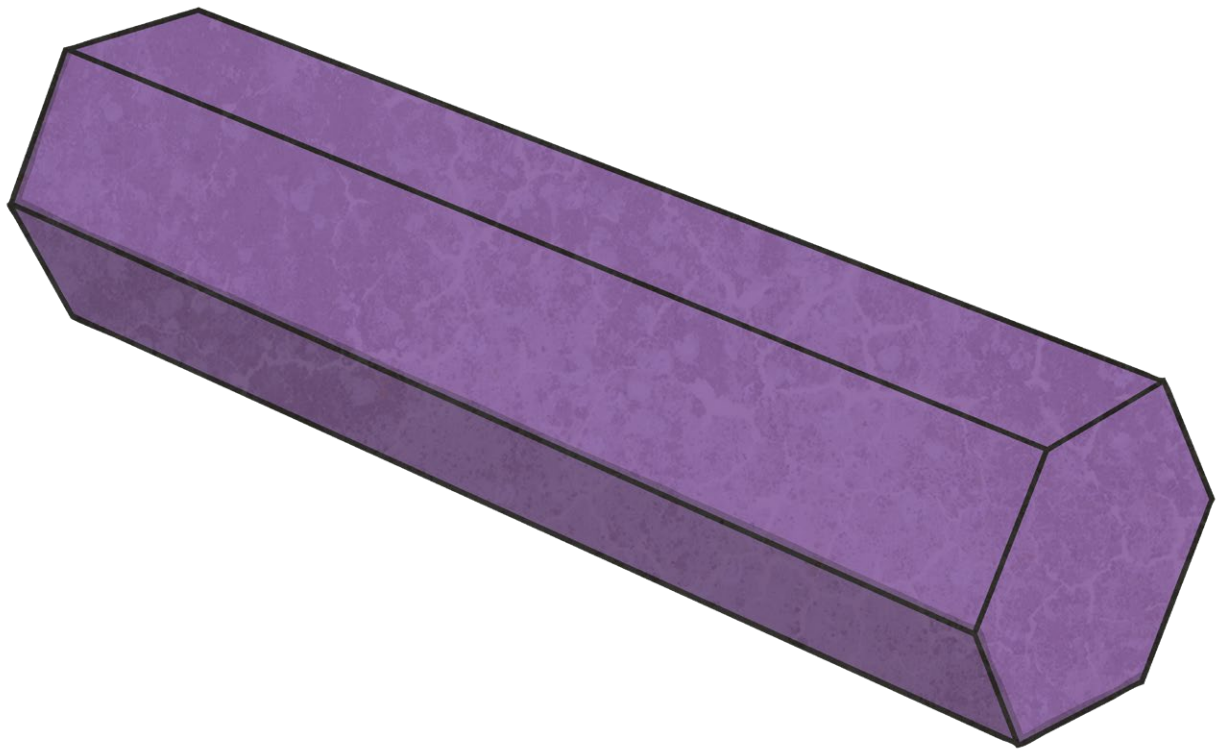
How many edges does it have?

3D Objects
Object Quiz

What type of polyhedron is this?

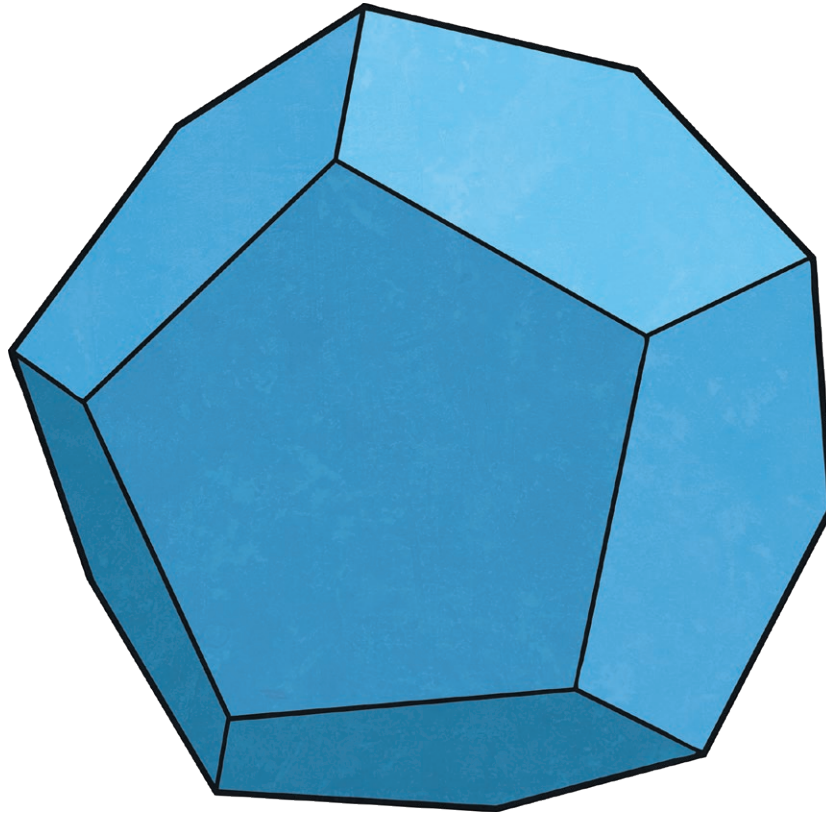Which 2D shape makes up its faces?

How many vertices does it have?

How many edges does it have?

3D Objects

Object Quiz

What type of object is this?

Which 2D shape makes up its faces?

How many vertices does it have?

How many edges does it have?

3D Objects

Object Quiz

What type of object is this?

Which 2D shape makes up its faces?

How many faces does it have?