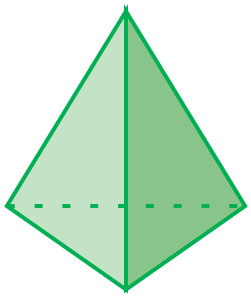
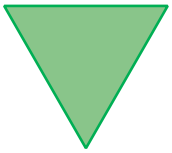
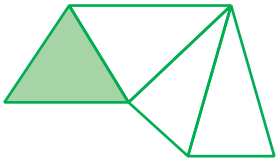
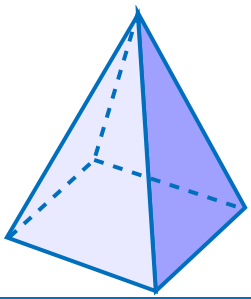
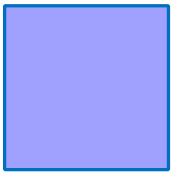
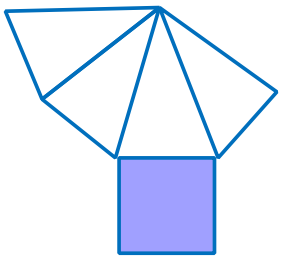
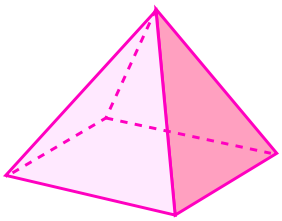
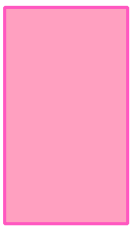
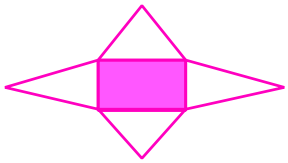
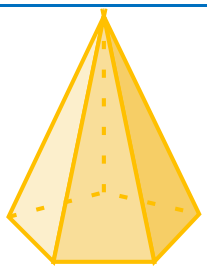
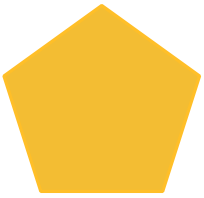
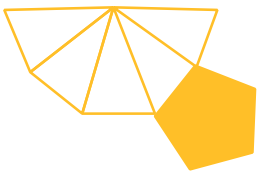
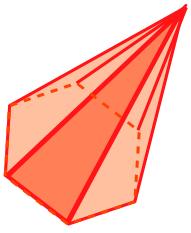
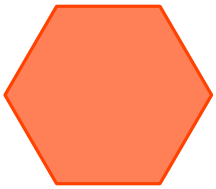
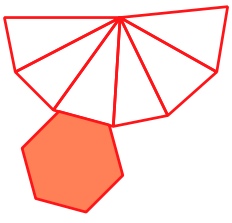
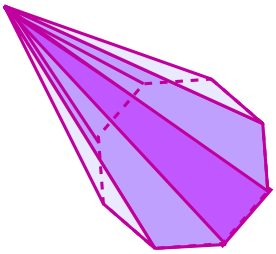
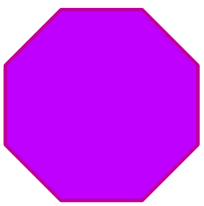
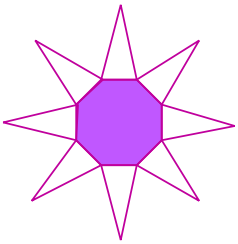
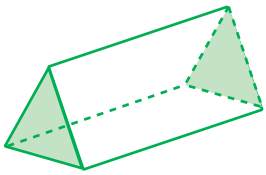
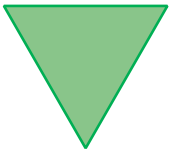
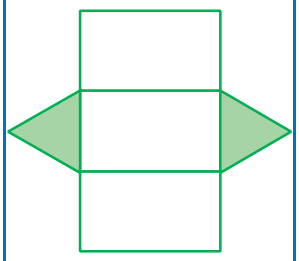
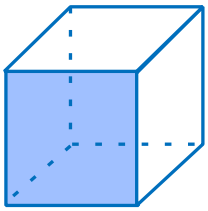
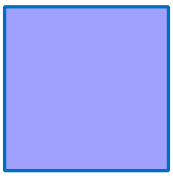
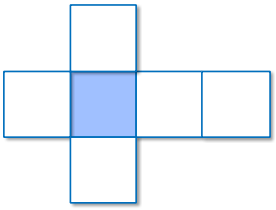
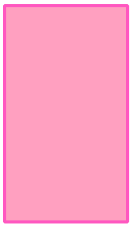
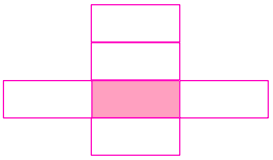
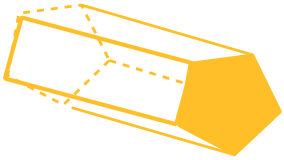
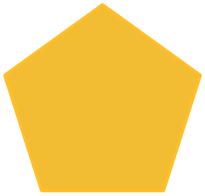
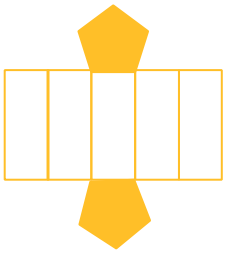
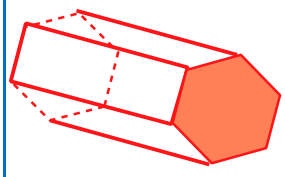
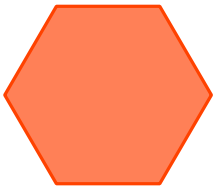
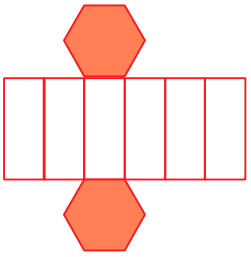
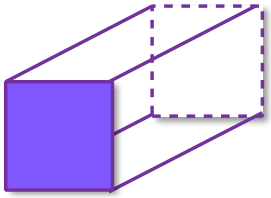
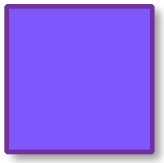
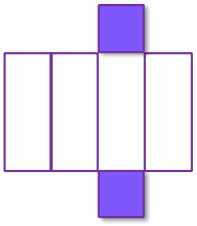
Properties of Pyramids

Shape	Name	No. of Faces	No. of Edges	No. of Vertices	Base	Nets
	Triangular Pyramid	4	6	4		
	Square Pyramid	5	8	5		
	Rectangular Pyramid	5	8	5		
	Pentagonal Pyramid	6	10	6		
	Hexagonal Pyramid	7	12	7		
	Octagonal Pyramid	9	16	9		

Properties of Prisms

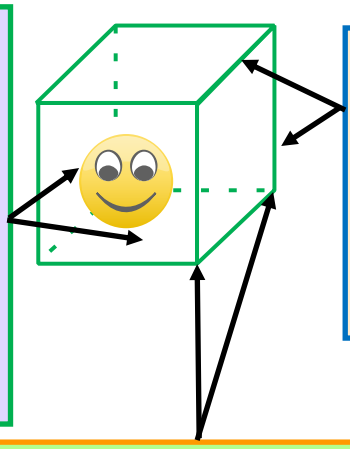
Shape	Names	No. of Faces	No. of Edges	No. of Vertices	Base	Nets
	Triangular Prism	5	9	6		
	Cube	6	12	8		
	Rectangular Prism	6	12	8		
	Pentagonal Prism	7	15	10		
	Hexagonal Prism	8	18	12		
	Square Prism	6	12	8		

Understanding 3D Shapes

A Cube

Faces: ***(Flat surfaces where you can draw a smiley face!)***

The number of faces of a 3D shape, is the number of flat surfaces of the shape. These are usually the number of polygons that make up the 3D shape. In this example, there are **6 faces** (this shape is made up of 6 squares).



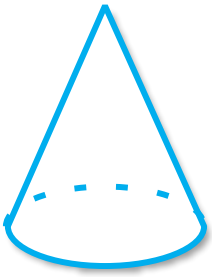
Edges:

The number of edges of a 3D shape, is the number of lines that makes up the outline of the shape. In this example, there are **12 edges.**

Vertices:

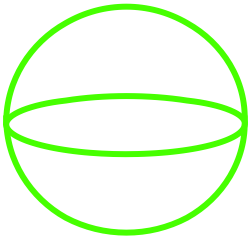
The number of vertices of a 3D shape, is the number of corners or the number of points where edges connect. In this example, there are **8 vertices.**

Other 3D Shapes



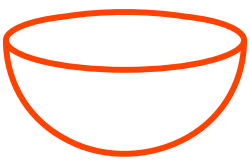
Cone

3D shape with a curved surface and a circular or elliptical base. It has one vertice.



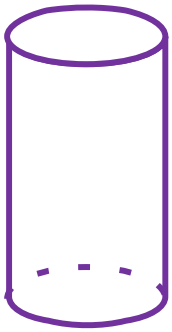
Sphere

Round shaped 3D shape. All points on the surface of the sphere are the same distance from the centre.



Half of a Sphere

A sphere cut in half—it has a circular base.



Cylinder

3D shape with a curved surface and with no vertices. It has a circular or elliptical base.