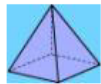
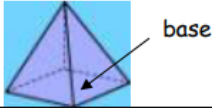



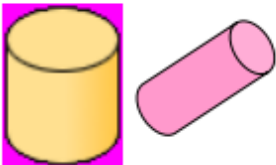
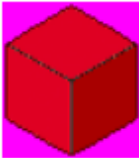
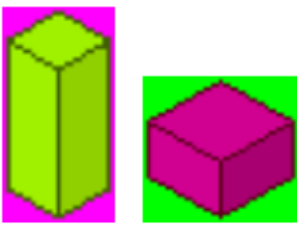
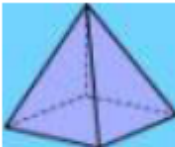





3D Shapes Glossary



face	A face is one of the surfaces of a 3D shape. e.g. A pyramid has 5 faces. 
edge	An edge is where 2 faces meet in a 3D shape.
vertex	A vertex of a shape is a point at which 2 or more edges meet. <i>A non-mathematical word for it is 'corner'.</i>
vertices	more than one vertex
base	The bottom face of a solid shape. 
square-based	When the bottom face of a solid shape is a square, e.g. in a square-based pyramid.
parallel	Parallel lines never meet. They are the same distance apart from each other all the way along their length.
perpendicular	Two lines which meet at right angles to each other are perpendicular.
regular	A 2D regular shape has all sides the same length and all angles the same. On a 3D regular shape, all of the faces are identical regular polygons.  
irregular	Any shape which is not regular (see above).

cone	 A cone has a circle as its base, a curved face and a point.
cylinder	 A cylinder has circular faces at each end and a curved face.

cube	 <p>A cube has 6 square faces all the same size. It also has 8 corners and 12 edges.</p>
cuboid	 <p>A cuboid has 6 rectangular faces.</p>
pyramid	<p>There are two types of pyramids:</p>  <p>square based pyramid (1 square face and 4 triangular faces)</p>  <p>triangular based pyramid (4 triangular faces) also called a tetrahedron</p>
sphere	 <p>A sphere has only one curved face.</p>

prism	<p>A prism is a solid shape with matching ends. A prism has the same cross-section all across its length (like Blackpool rock!)</p> 
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More challenging 3D Shapes

octahedron	<p>An octahedron is a 3D shape with 8 triangular faces.</p> 
dodecahedron	<p>A regular polyhedron with 12 faces that are congruent (the same size and shape) regular pentagons.</p>  <p>A dodecahedron</p>