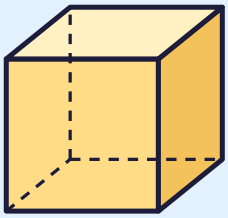
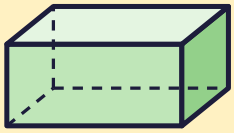
3D shapes

Solid shapes. Dashed lines are edges at the back.



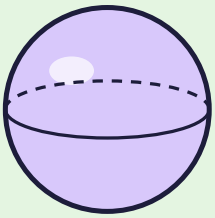
cube

6 flat faces
12 edges, 8 vertices
like a dice



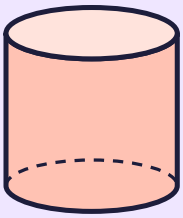
rectangular prism

6 flat faces
12 edges, 8 vertices
like a cereal box



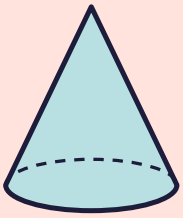
sphere

0 flat + 1 curved surface
0 edges, 0 vertices
like a ball



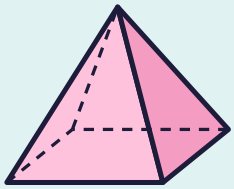
cylinder

2 flat + 1 curved surface
2 edges, 0 vertices
like a can



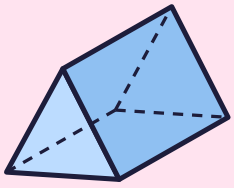
cone

1 flat + 1 curved surface
1 edge, 1 vertex
like a party hat



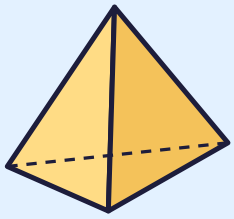
square pyramid

5 flat faces
8 edges, 5 vertices
like the pyramids in Egypt



triangular prism

5 flat faces
9 edges, 6 vertices
like a tent



triangular pyramid

4 flat faces
6 edges, 4 vertices
like a 4-sided dice

Face: a flat surface. Edge: where two faces meet. Vertex: a corner where edges meet.

The point of a cone is its apex: most schemes count it as 1 vertex. Some count a curved surface as a face too.