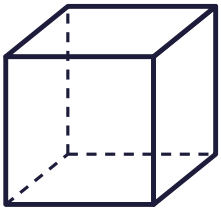
3D shapes

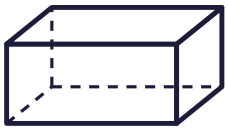
Solid shapes. Dashed lines are edges at the back.

cube



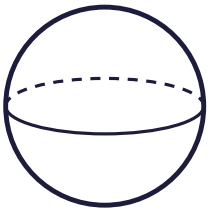
6 flat faces
12 edges, 8 vertices
like a dice

rectangular prism



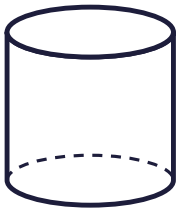
6 flat faces
12 edges, 8 vertices
like a cereal box

sphere



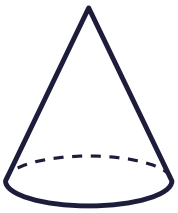
0 flat + 1 curved surface
0 edges, 0 vertices
like a ball

cylinder



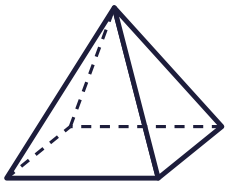
2 flat + 1 curved surface
2 edges, 0 vertices
like a can

cone



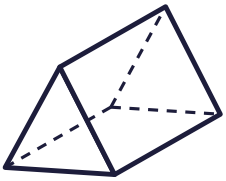
1 flat + 1 curved surface
1 edge, 1 vertex
like a party hat

square pyramid



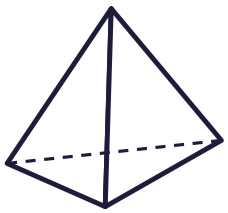
5 flat faces
8 edges, 5 vertices
like the pyramids in Egypt

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.