

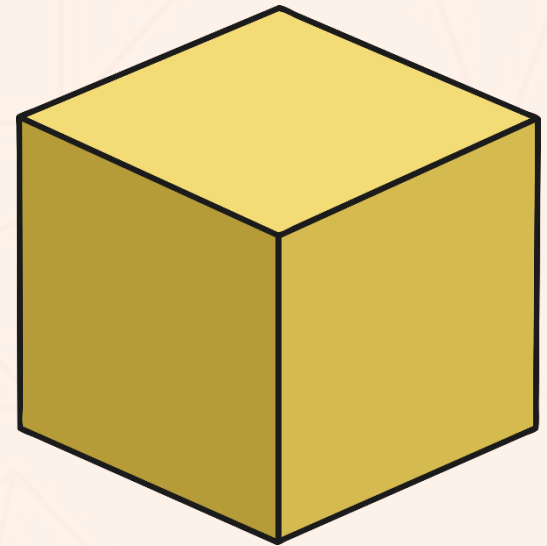
3D Shape Properties



Cube

Cubes have:

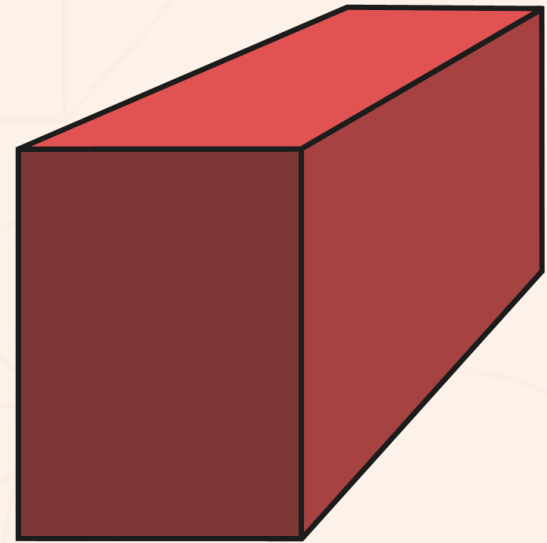
- 6 faces;
- 12 edges
- 8 vertices;
- edges that are all the same length.



Cuboid

Cuboids have:

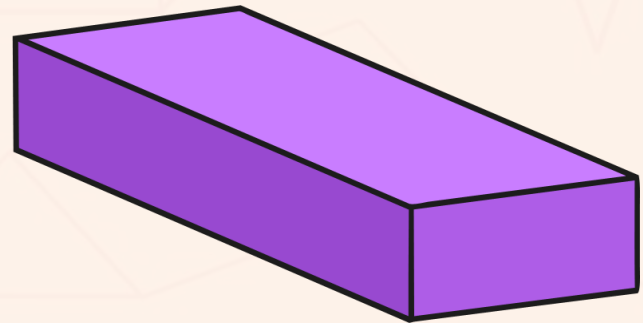
- 6 faces;
- 12 edges
- 8 vertices;
- edges that are **not** all the same length.



Rectangular Prism

Rectangular prisms have:

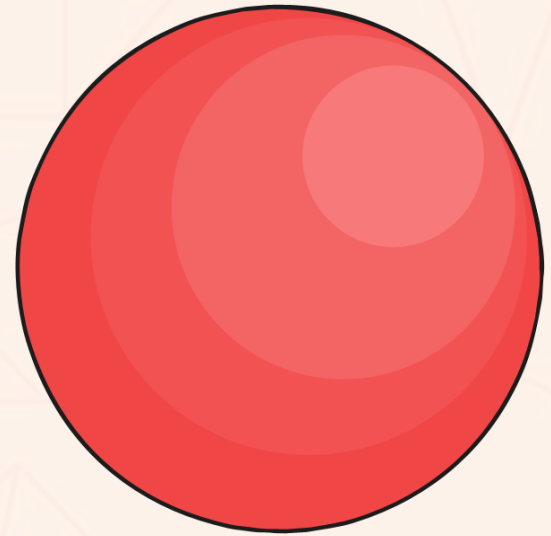
- 6 faces;
- 12 edges
- 8 vertices;
- edges that are **not** all the same length.



Sphere

Spheres:

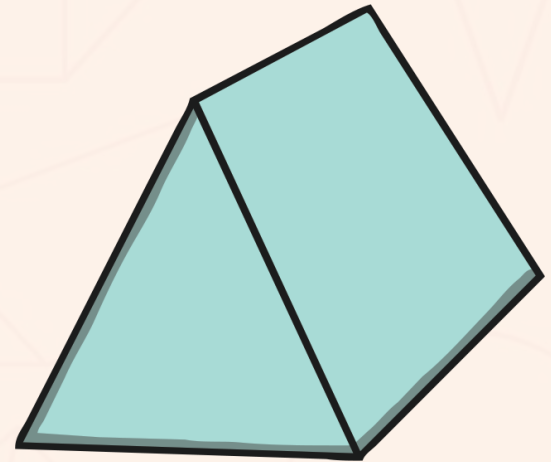
- are perfectly round;
- have no edges;
- have no vertices.
- 1 curved surface



Triangular Prism

Triangular prisms have:

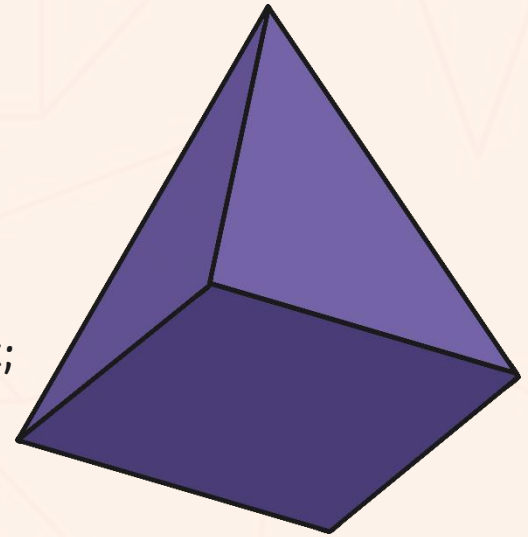
- 5 faces;
- 2 triangular faces;
- 3 rectangular faces;



Square-Based Pyramid

Square-based pyramids have:

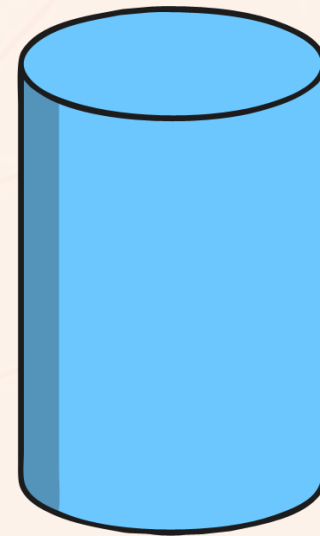
- a square base;
- 4 triangular faces that make a sharp point;
- 5 faces.



Cylinder

Cylinders have:

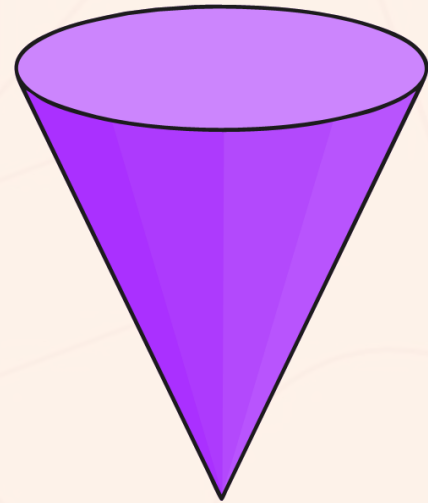
- 2 flat and circular faces;
- 1 curved surface;
- **no** vertices.



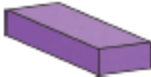
Cone

Cones have:

- 1 flat face which is a circle;
- 1 vertex;
- 1 edge;
- 1 curved surface.



3D Shapes Around You

Name		We see...	What it looks like...
cube		• 6 faces • 12 edges • 8 vertices • all edges are the same	 ice cubes  cardboard box  blocks
cuboid		• 6 faces • 12 edges • 8 vertices • not all edges are the same	 suitcase  rubber  book
square-based pyramid		• 5 faces • 4 triangular faces • a sharp point • a square base	 Egyptian Pyramids
sphere		• perfectly round • no edges • no vertices	 football  earth  marbles
cylinder		• 2 faces • 1 curved surface • 2 curved edges	 candle  marker pen  mug
cone		• 1 faces • 1 curved surface • a point	 ice cream cone  traffic cone  party hat

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