

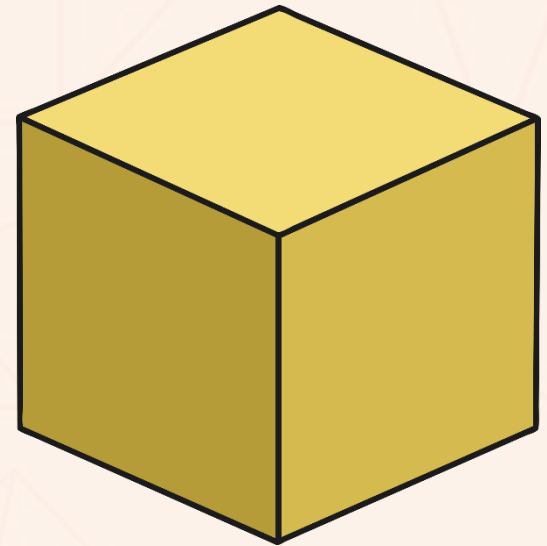
# 3D Shape Properties



# Cube

Cubes have:

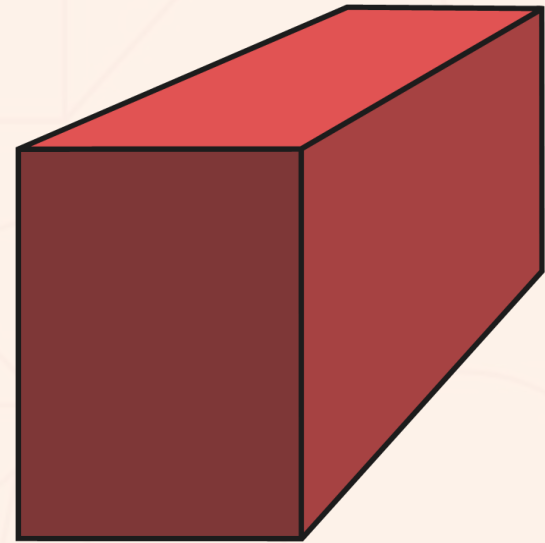
- 6 faces;
- 12 edges
- 8 vertices;
- edges that are all the same length.



# Cuboid

Cuboids have:

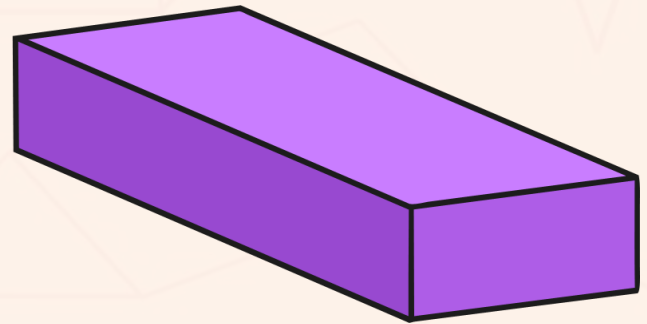
- 6 faces;
- 12 edges
- 8 vertices;
- edges that are **not** all the same length.



# Rectangular Prism

Rectangular prisms have:

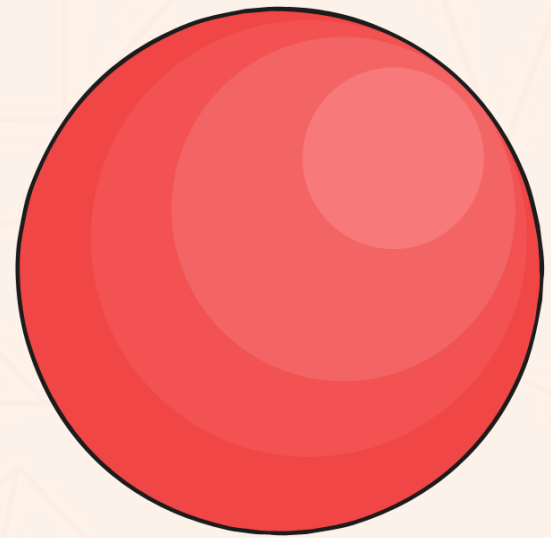
- 6 faces;
- 12 edges
- 8 vertices;
- edges that are **not** all the same length.



# Sphere

Spheres:

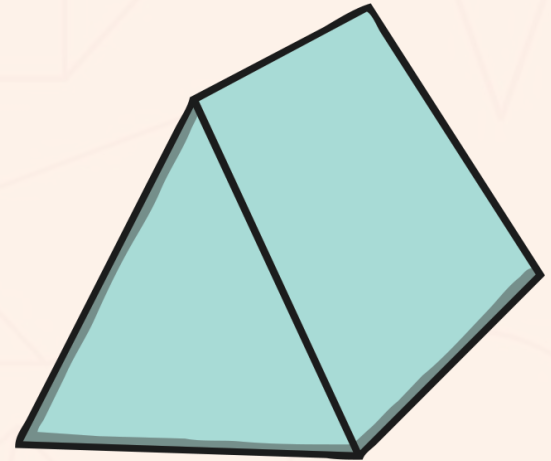
- are perfectly round;
- have no edges;
- have no vertices.
- 1 curved surface



# Triangular Prism

Triangular prisms have:

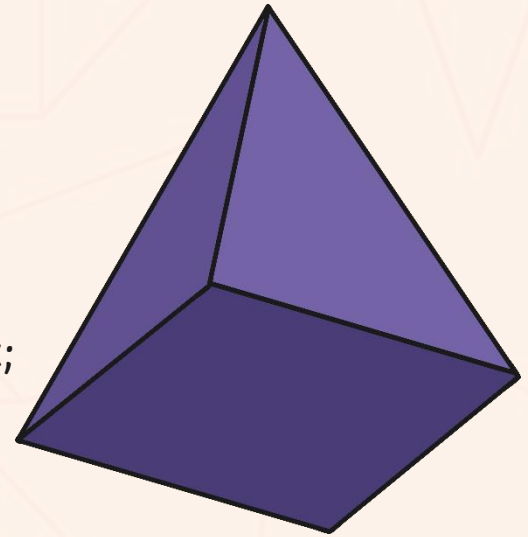
- 5 faces;
- 2 triangular faces;
- 3 rectangular faces;



# Square-Based Pyramid

Square-based pyramids have:

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

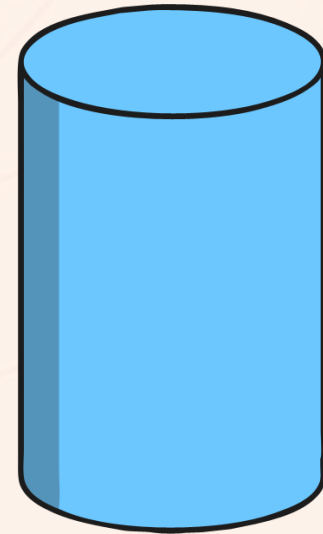




# Cylinder

Cylinders have:

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

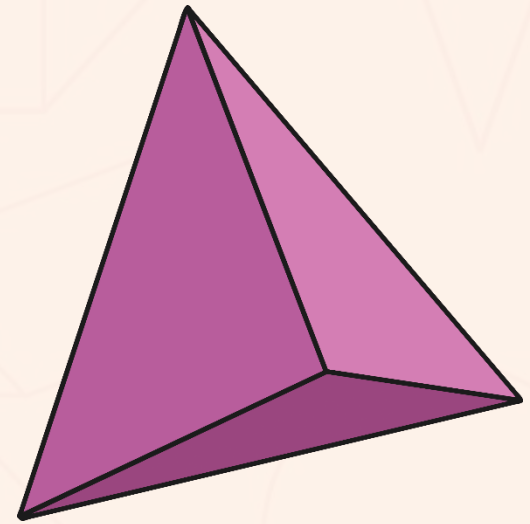




# Tetrahedron

Tetrahedra have:

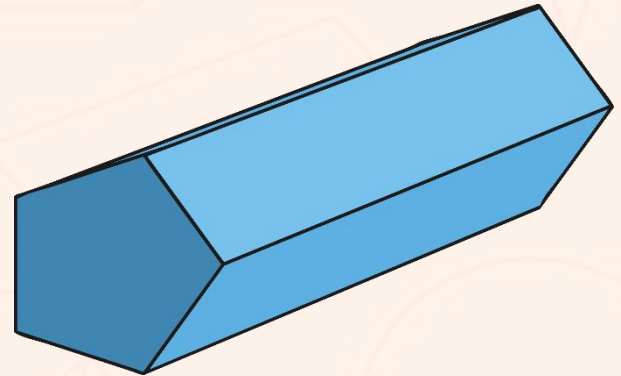
- 4 flat and triangular faces;
- 4 vertices;
- 6 edges.



# Pentagonal Prism

Pentagonal prisms have:

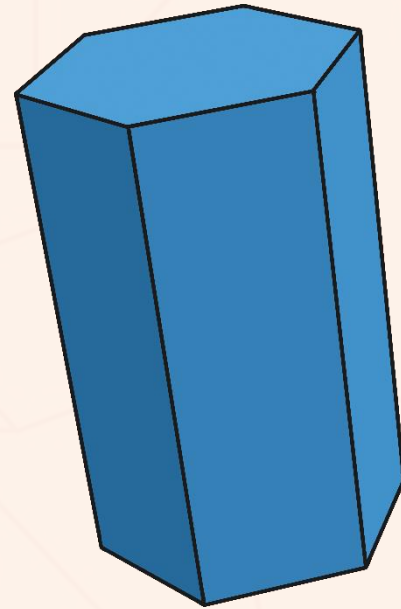
- 7 faces;
- 2 pentagonal faces;
- 5 rectangular faces;
- 15 edges;
- 10 vertices



# Hexagonal Prism

Hexagonal prisms have:

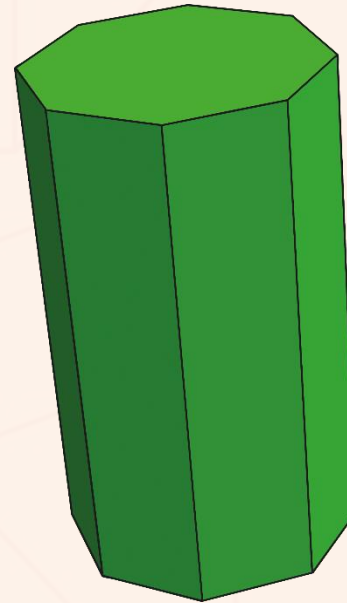
- 8 faces;
- 2 hexagonal faces;
- 6 rectangular faces;
- 18 edges;
- 12 vertices



# Octagonal Prism

Octagonal prisms have:

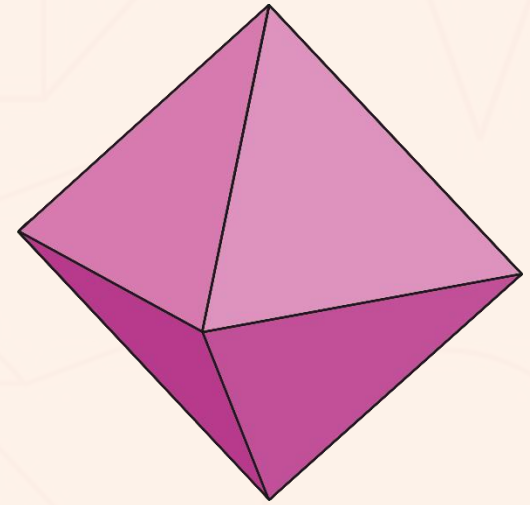
- 10 faces;
- 2 octagonal faces;
- 8 rectangular faces;
- 24 edges;
- 16 vertices



# Octahedron

Octahedra have:

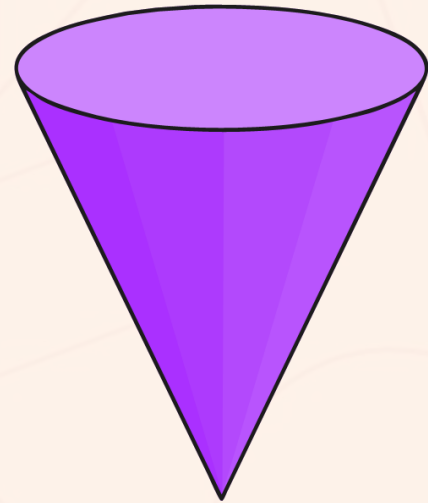
- 8 triangular faces;
- 12 edges;
- 6 vertices.



# Cone

Cones have:

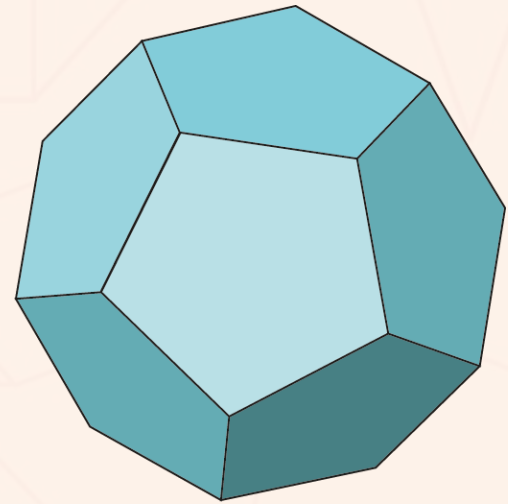
- 1 flat face which is a circle;
- 1 vertex;
- 1 edge;
- 1 curved surface.



# Dodecahedron

Dodecahedra have:

- 12 faces;
- 30 edges;
- 20 vertices.





The background is a solid orange color with a repeating pattern of various 3D geometric shapes outlined in a lighter orange. These shapes include rectangular prisms, cylinders, cones, spheres, and pyramids, scattered across the page.

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