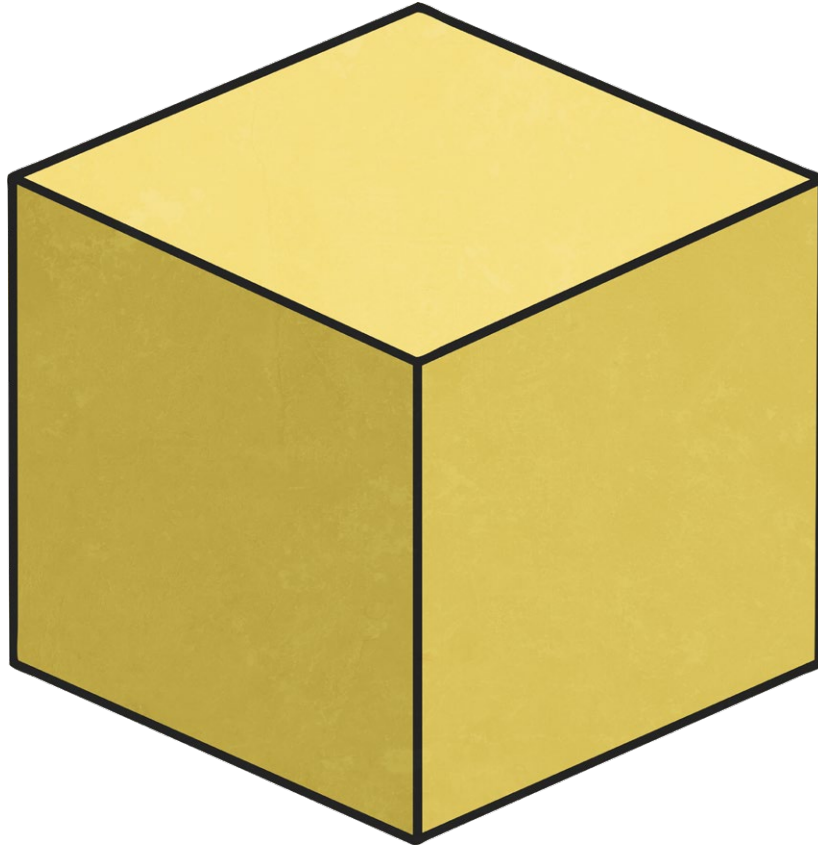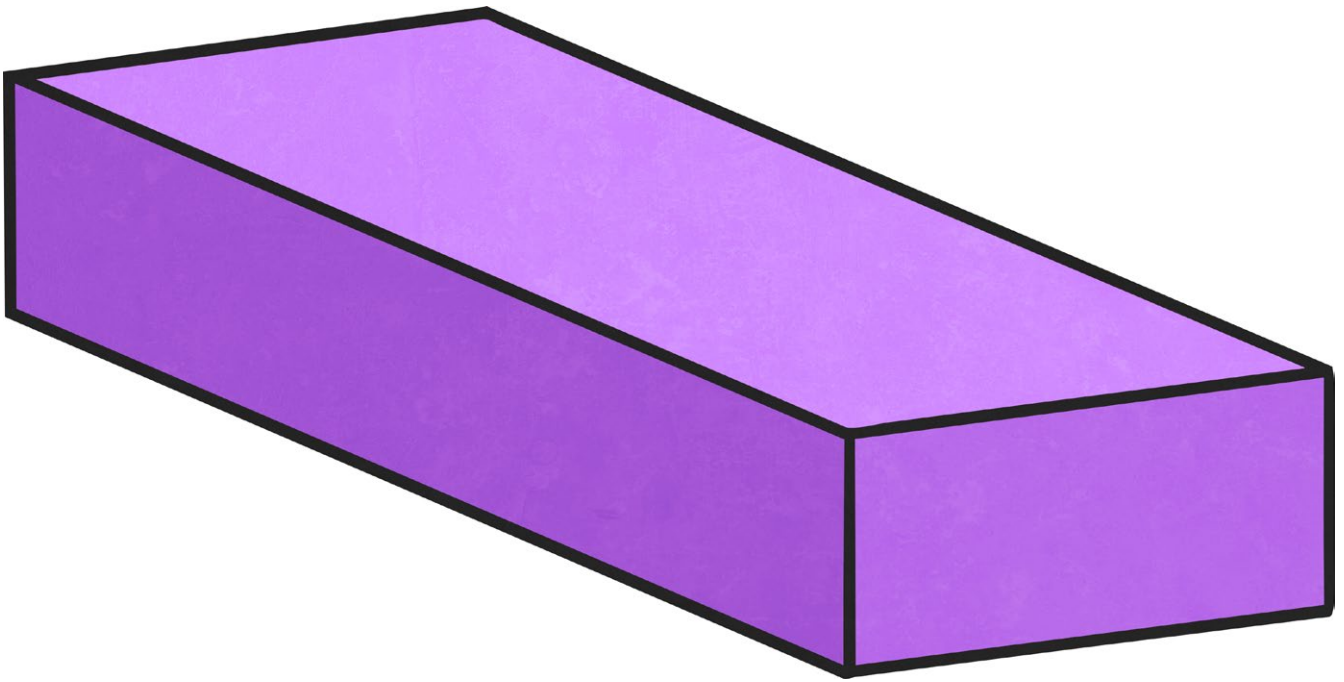# Cube

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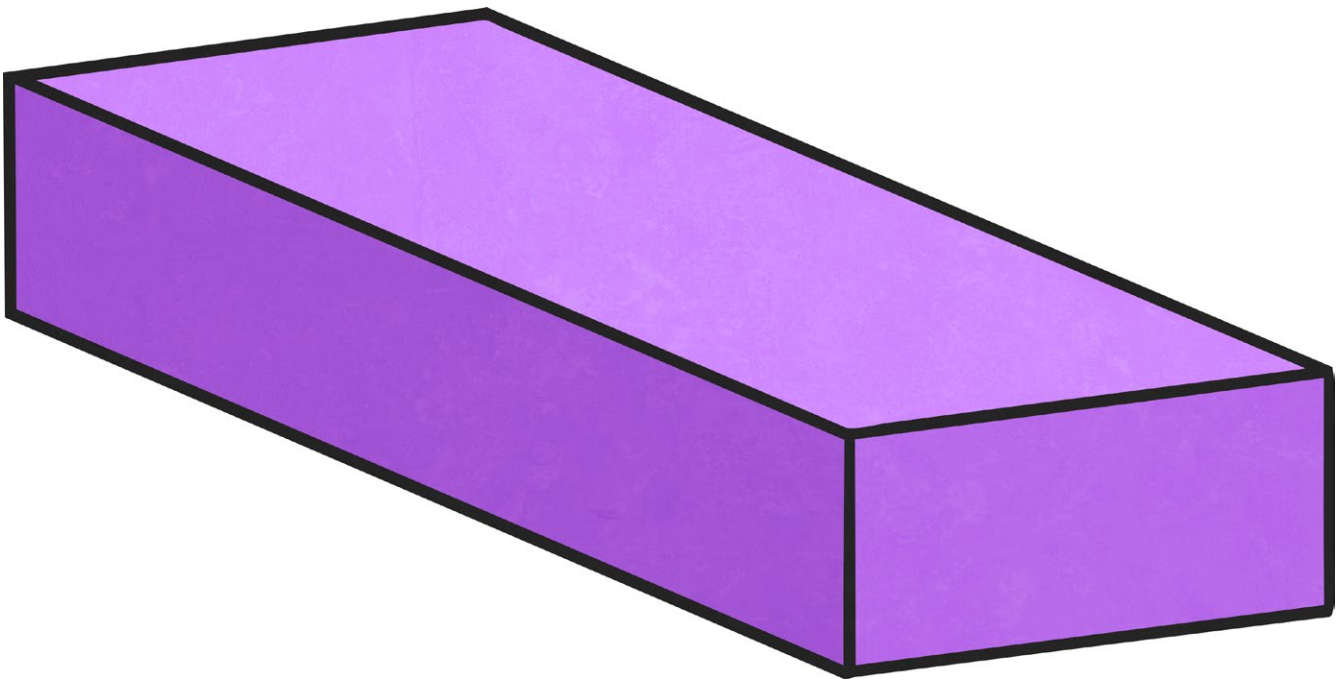- edges that are all the same length.

Cuboid

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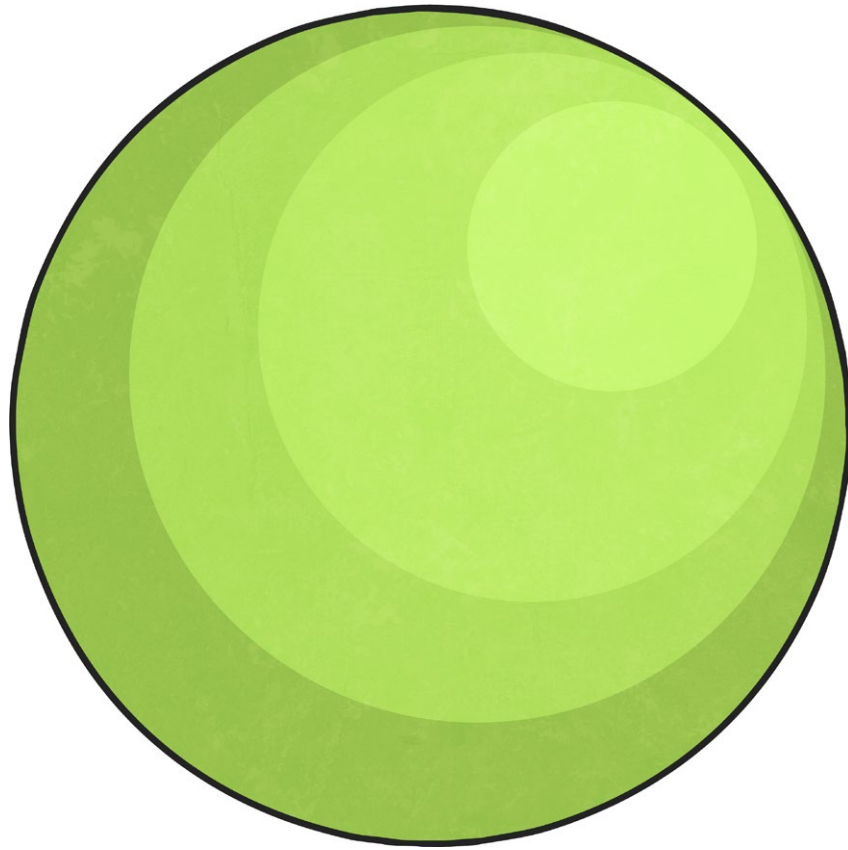- edges that are **not** all the same length.

Rectangular Prism

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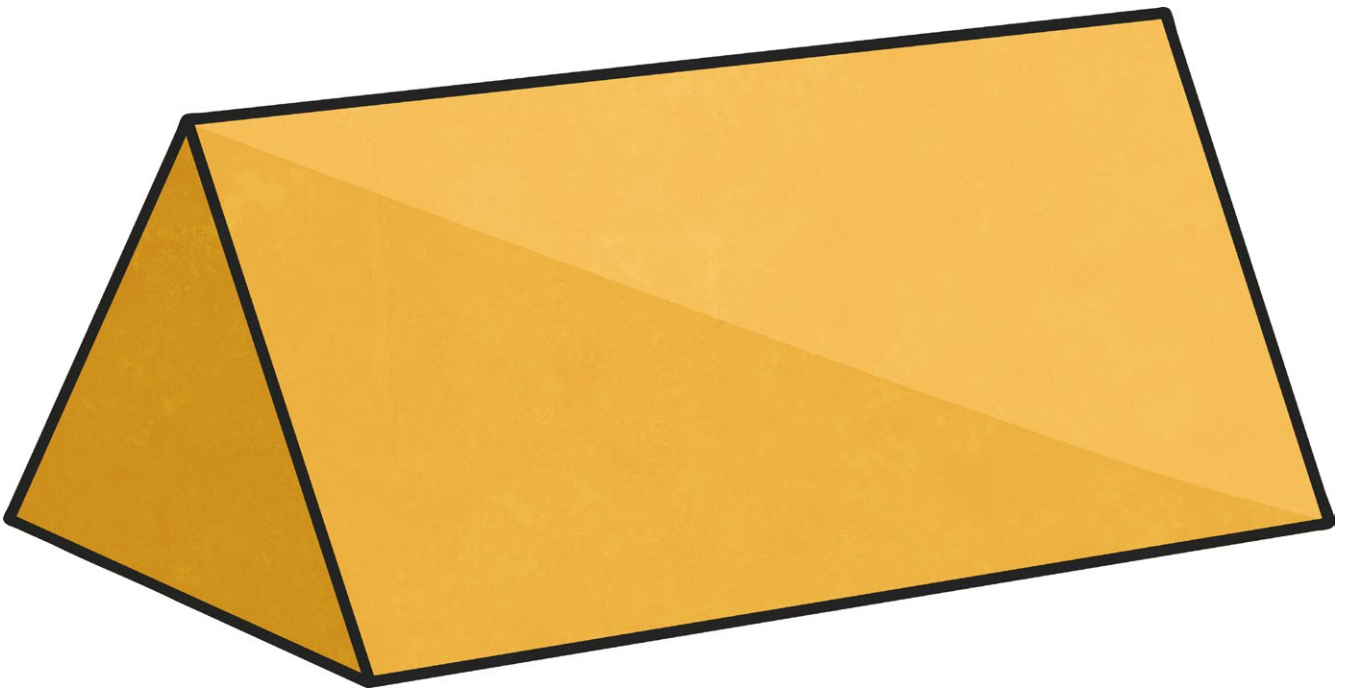- edges that are **not** all the same length.

Sphere

Spheres:

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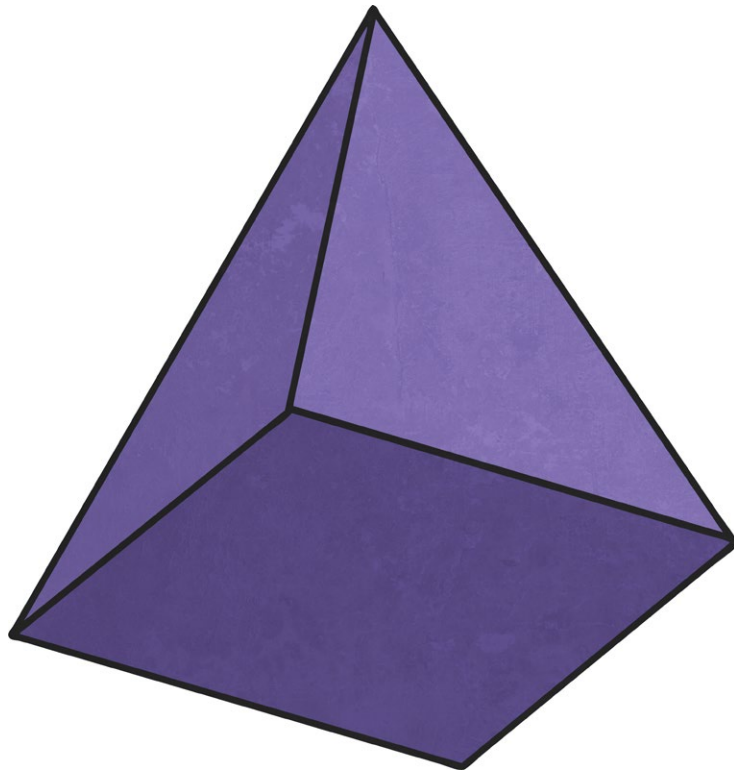- have no vertices;
- have 1 curved surface.

Triangular Prism

Triangular prisms have:
- 5 faces;
- 2 triangular faces;
- 3 rectangular faces.

Square-Based Pyramid

Square-based pyramids have:
- a square base;
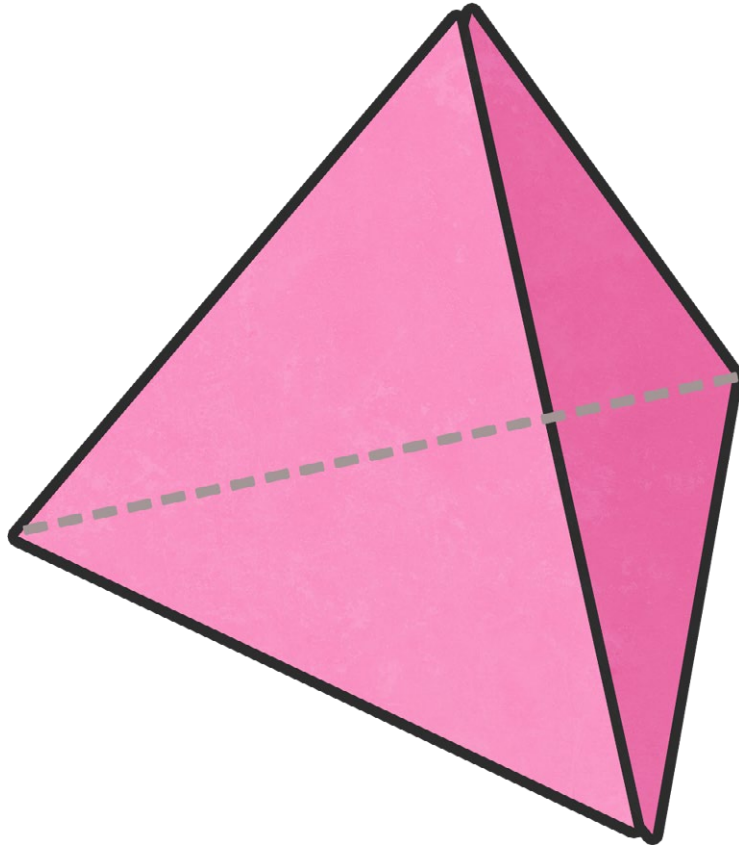- 4 triangular faces that make a sharp point;
- 5 faces.

Cylinder

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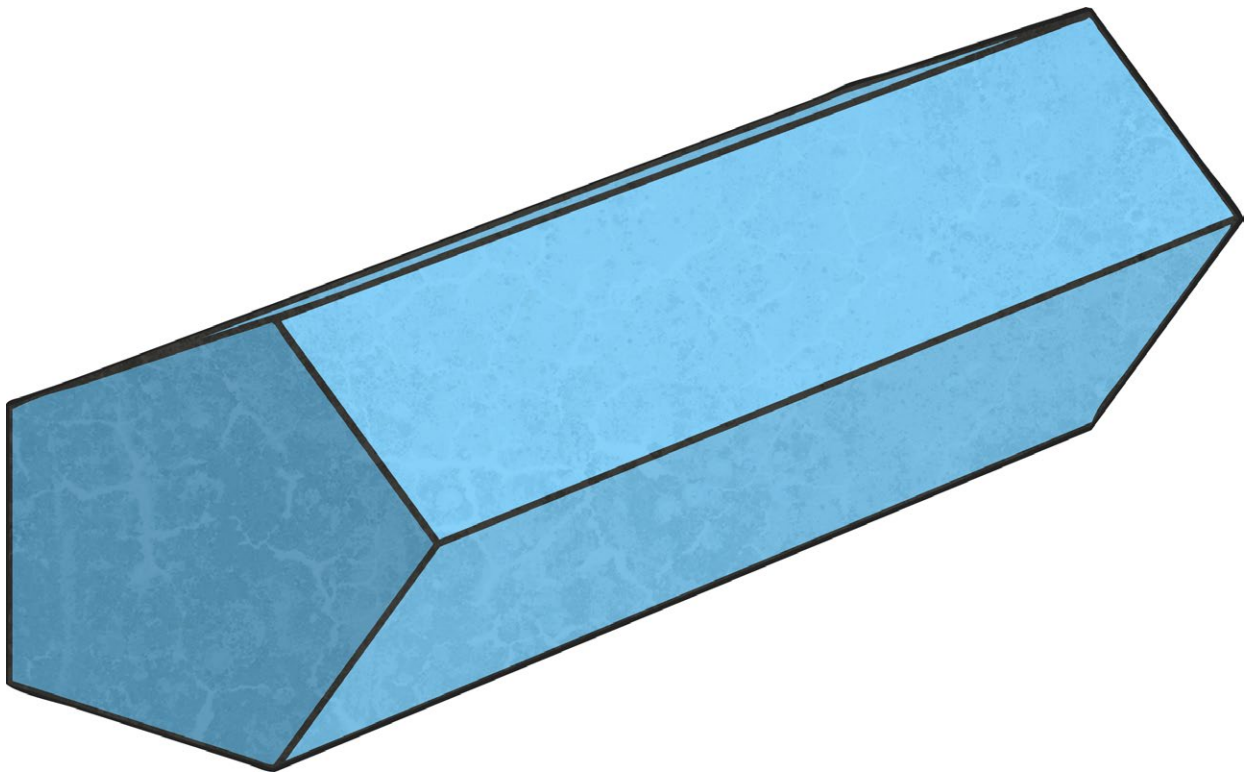- **no** vertices.
- 1 curved surface

Tetrahedron

Tetrahedra have:
- 4 flat and triangular faces;
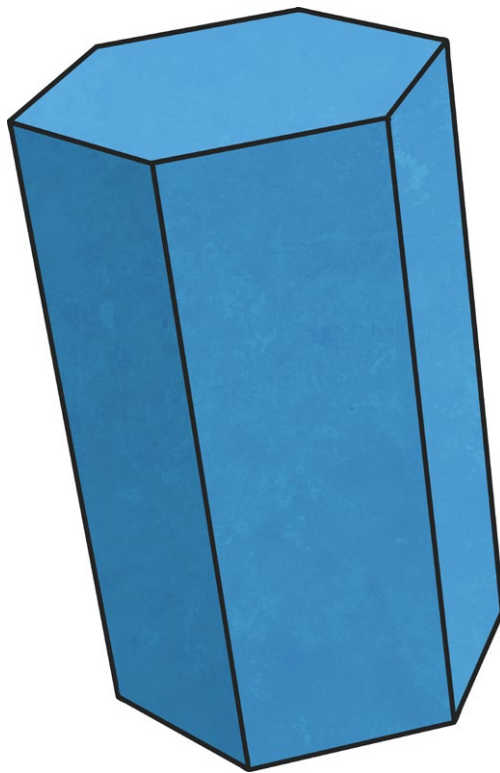- 4 vertices;
- 6 edges.

Pentagonal Prism

Pentagonal prisms have:
- 7 faces;
- 2 pentagonal faces;
- 5 rectangular faces;
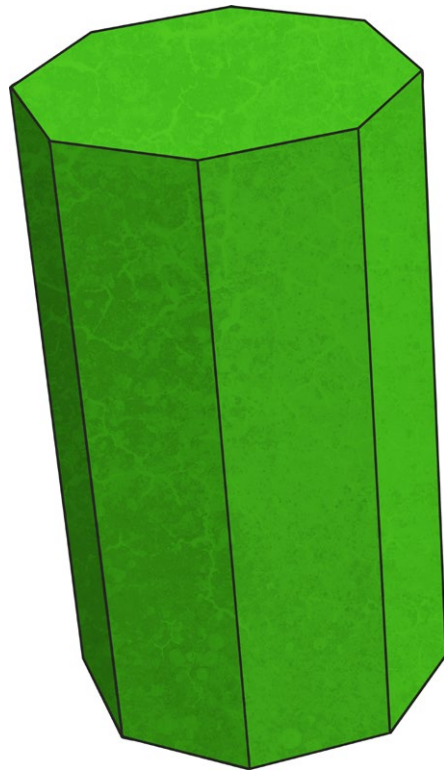- 15 edges;
- 10 vertices.

Hexagonal Prism

Hexagonal prisms have:
- 8 faces;
- 2 hexagonal faces;
- 6 rectangular faces;
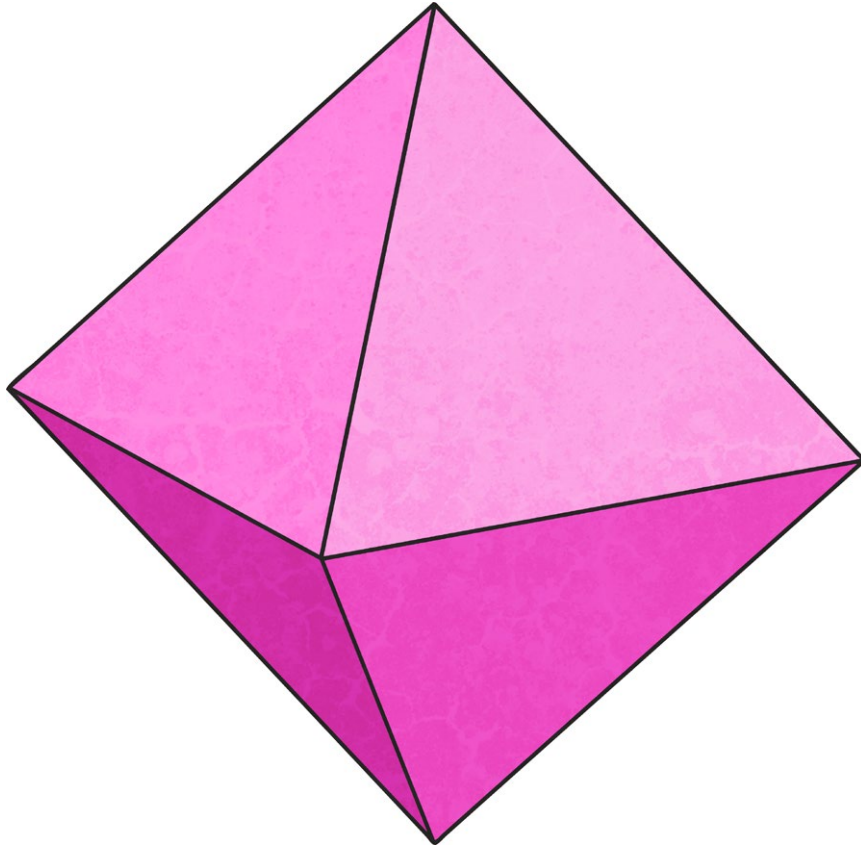- 18 edges;
- 12 vertices.

Octagonal Prism

Octagonal prisms have:
- 10 faces;
- 2 octagonal faces;
- 8 rectangular faces;
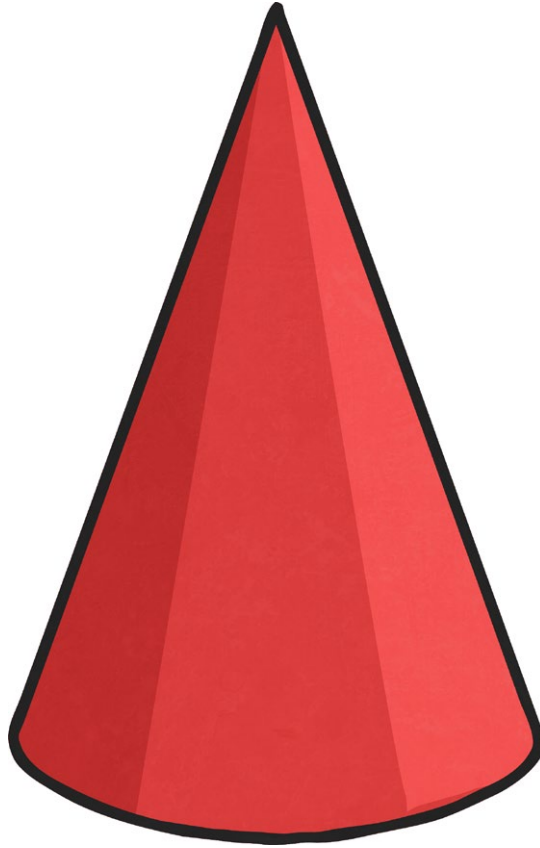- 24 edges;
- 16 vertices.

Octahedron

Octahedra have:
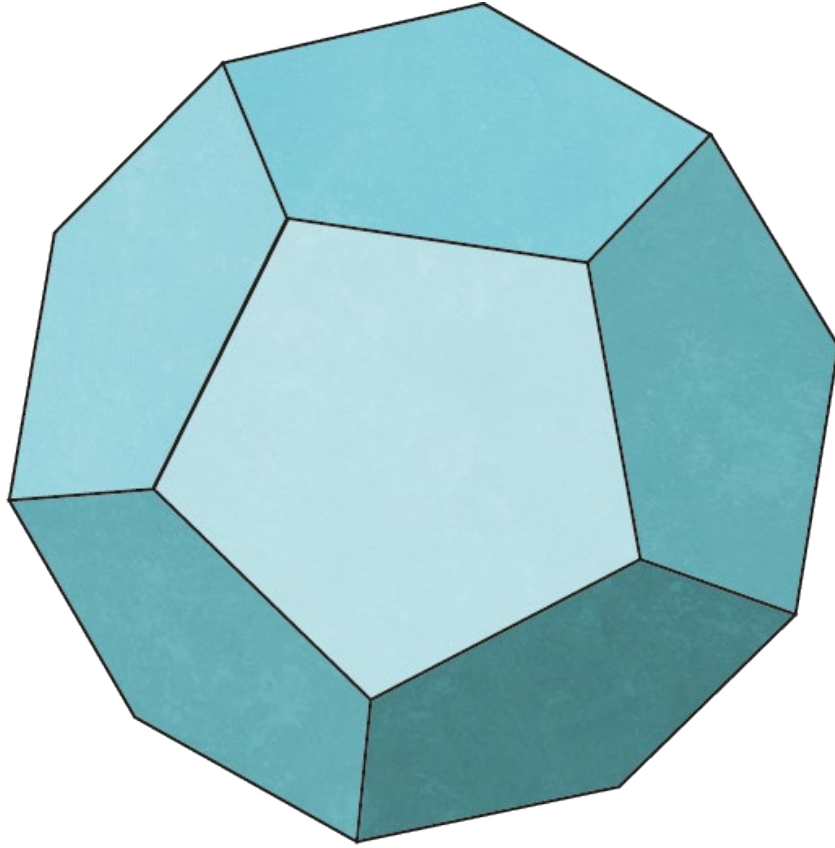- 8 triangular faces;
- 12 edges;
- 6 vertices.

Cone

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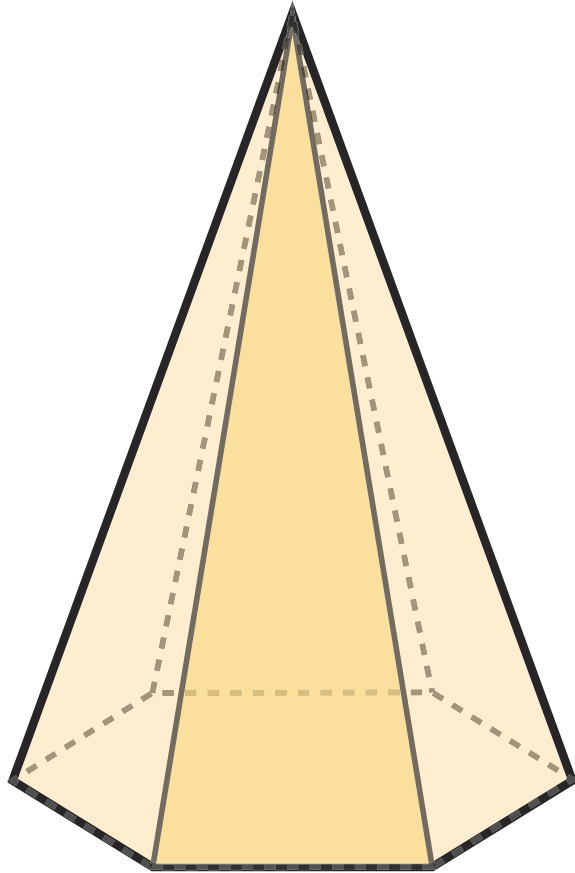- 1 vertex;
- 1 edge;
- 1 curved surface.

Dodecahedron

Dodecahedra have:
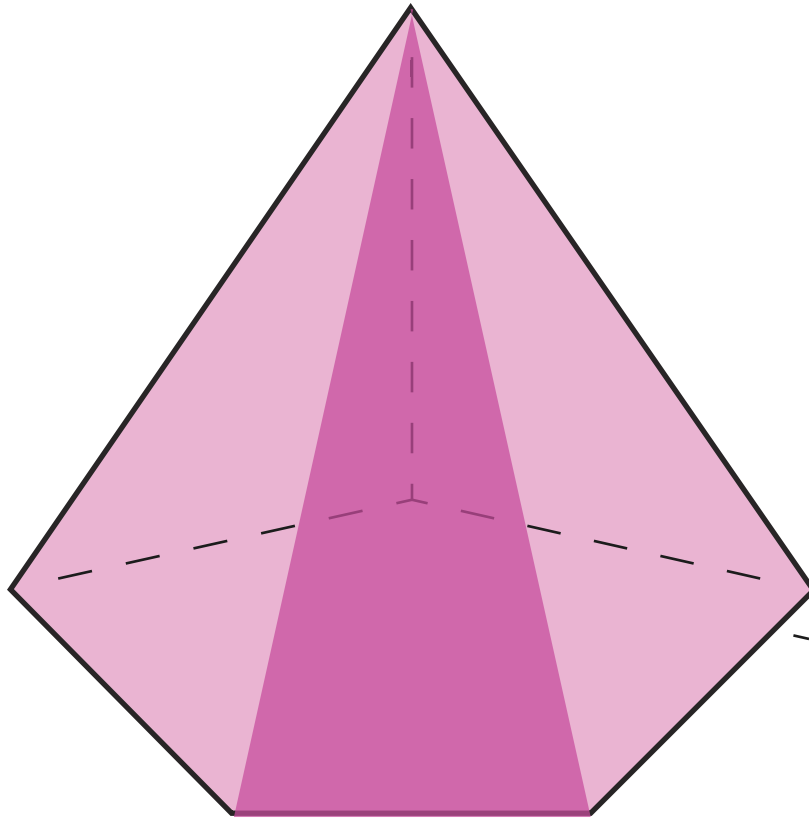- 12 faces;
- 30 edges;
- 20 vertices.

Hexagonal Pyramid

Hexagonal pyramids have:
- 7 faces;
- 1 hexagonal face;
- 6 triangular faces;
- 12 edges;
- 7 vertices.

Pentagonal Pyramid

Pentagonal pyramids have:
- 6 faces;
- 1 pentagonal face;
- 5 triangular faces;
- 10 edges;
- 6 vertices.