

Geometric Shapes

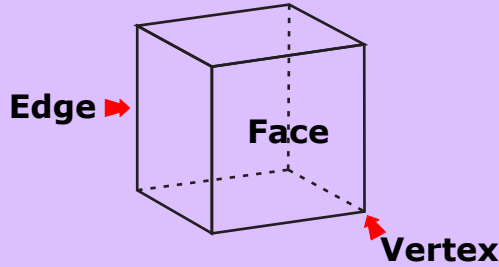
In geometry, there are many different shapes. All the shapes in this worksheet are **polyhedrons**, meaning they are 3-dimensional shapes with flat faces and straight edges.



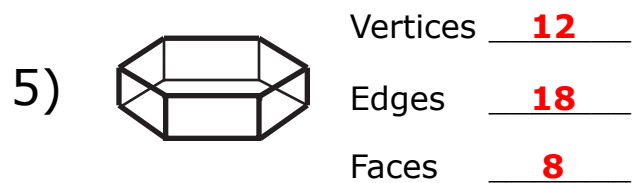
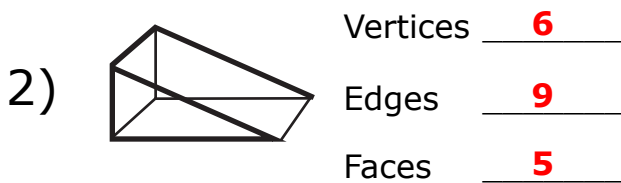
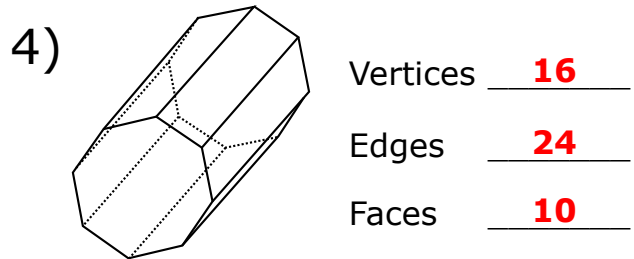
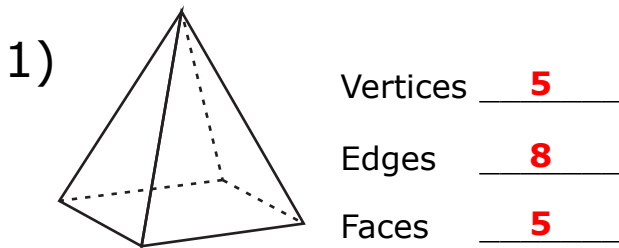
For a polyhedron:

1. A face is a flat surface, like the front or top of a box.
2. An edge is a line segment where two faces come together.
3. A vertex is a "point" on a shape, a corner where several faces and edges come together.

Example: A cube



For each shape below, write how many edges, faces, and vertices there are.



CHALLENGE: A circular cylinder is not a polyhedron, but it can have vertices, edges, and faces. What should they be in this picture? How many vertices, edges, and faces?

