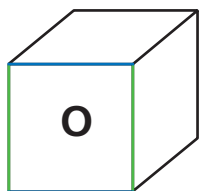


Making a Figure Zoo

NCTM Standards 3, 6, 7, 8, 9

Use the picture or the actual polyhedron to answer these questions.



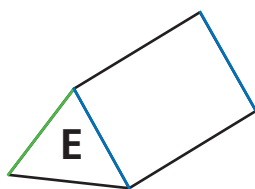
The polyhedron has six square faces.

- 1 Look at face O.

The two blue edges are: parallel or perpendicular

The blue edges are: parallel or perpendicular to the green edges.

An angle formed by a blue and green edge is: acute or right or obtuse



This polyhedron has five faces.

Three of them are rectangles

- 2 What shape is face E on the figure?

- 3 The angle formed by a blue and green edge of face E is:

acute or right or obtuse

Use your previous experience with figures or refer to a polyhedron in the figure zoo to help you answer these questions. Think about the sides and angles of each figure while you answer.



4 Describe the features that make a figure a square.



5 Describe the features that make a figure a triangle.



6 **Challenge** Describe the features that make a figure a trapezoid.
