

Describing Three-Dimensional Figures

NCTM Standards 3, 7, 8, 9, 10

Tape or glue a small copy of a net for a three-dimensional figure here. You can use the net to help answer the questions about the three-dimensional figure.

- 1** How many faces does the three-dimensional figure have? _____



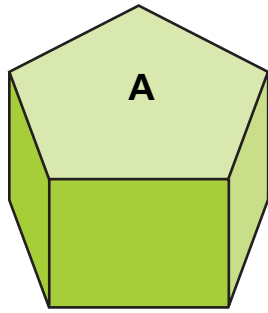
- 2** Describe the shapes of the faces.

- 3** How many of the faces have at least 1 line of symmetry? _____

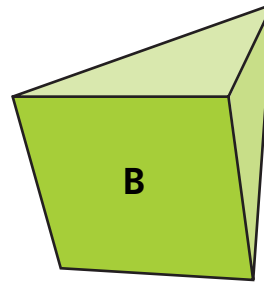
- 4** How many of the faces have at least 2 lines of symmetry? _____

- 5** On the copy of the net above, shade two congruent faces. If no faces are congruent, write *none* on the line. _____

Write the number for each figure in the blank.



Prism



Pyramid

6 How many parallel faces does the prism have? _____

Face A has _____ sides.

There are _____ vertices on this prism.

_____ \times the number of sides on the top face = the number of vertices on the prism

7 How many vertices are on the top of the pyramid? _____

Face B has _____ sides.

There are _____ vertices on this pyramid.

_____ + the number of sides on the bottom face = the number of vertices on the pyramid



8 **Challenge** Describe a difference between a prism and a pyramid.
