Name _____

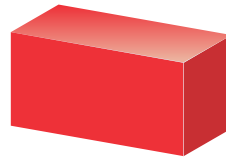**Another Look!** Flat surfaces, faces, edges, and vertices can be used to describe 3-D shapes.

flat surface →

← vertex
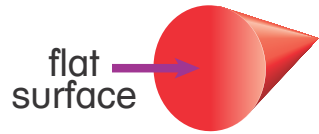
A cone has 1 flat surface.

A cube has 8 vertices.
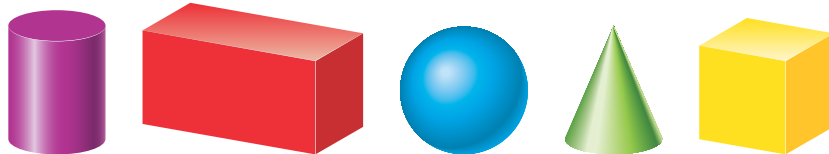
A rectangular prism has _6_ faces.

A cylinder has _0_ edges.

HOME ACTIVITY Gather household objects that look like the following 3-D shapes: cube, rectangular prism, sphere, cone, and cylinder. Have your child count the number of faces or flat surfaces, edges, and vertices on each shape. Then have him or her choose 2 shapes and tell how they are alike and different.
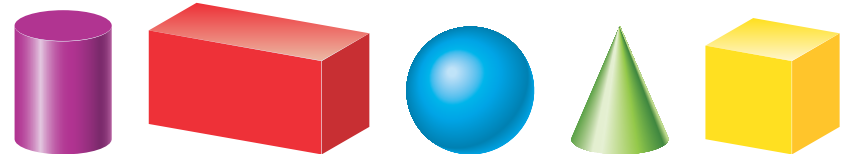
Circle the 3-D shape that answers each question.

1. Which 3-D shape has 1 flat surface and 1 vertex?

2. Which 3-D shape has 0 flat surfaces and 0 vertices?

Solve the problems below.

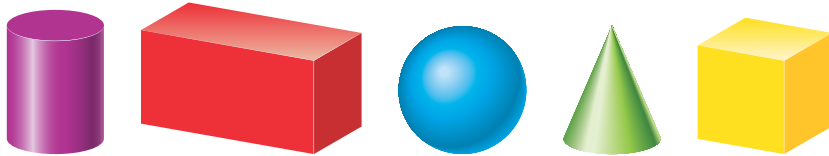**3.** (A-Z) **Vocabulary** Circle the number of vertices on a **rectangular prism**.
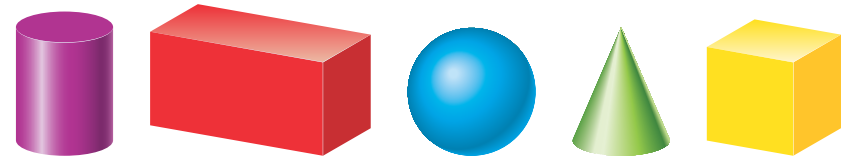
0 vertices   4 vertices   5 vertices   8 vertices

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4. Circle the shapes that have 6 faces and 12 edges.
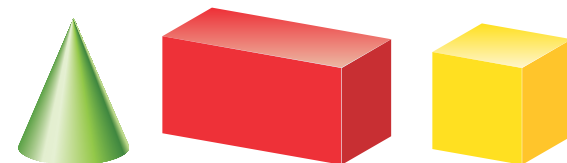

5. Circle the shape that has 2 flat surfaces and 0 vertices.

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6. **Higher Order Thinking** Draw or name two 3-D shapes. Find the total number of vertices and faces or flat surfaces.

_____ vertices   _____ faces or flat surfaces

7. ✓**Assessment** Katie picks two of these 3-D shapes out of a bag. What is the total number of flat surfaces or faces that could be on the shapes she picked? Choose all that apply.

7 ☐   10 ☐   12 ☐   16 ☐