Three-dimensional (3-D) shapes can be grouped in different ways.


The flat surfaces of these shapes are circles.
flat

surfaces

## Convince Me! Do 3-D

 shapes always have either faces, flat surfaces, or vertices? Explain.¿Guided Write how many faces or flat surfaces and Practice vertices each 3-D shape has.

2.


Independent Write how many faces or flat surfaces, vertices, and edges Practice each object has.

| Object | Number of faces <br> or flat surfaces | Number of <br> vertices |
| :---: | :---: | :---: |$\quad$ Number of edges

3. 



| 4. |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| 5. |  |  |  |  |

6. Higher Order Thinking Lily has an object that looks like a 3-D shape.
The object has 2 flat surfaces and 0 vertices.

Draw an object that Lily could have.


## Problem Solving Solve each problem below.

7. This shape is a cone. Which shape below is also a cone? How do you know?

$\qquad$
$\qquad$
$\qquad$
$\qquad$
8. Higher Order Thinking Draw and label a 3-D shape. Then write a sentence describing your 3-D shape.


. | - |
| :--- |

10 6 faces. I have 8 vertices. Which 3-D shape could I be? Choose two that apply.spherecuberectangular prismcylinder

