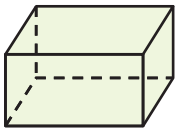


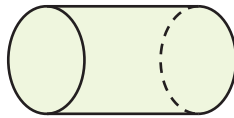
On Your Own

Classify the solid figure. Write *prism*, *pyramid*, *cone*, *cylinder*, or *sphere*.

7.



8.



9.

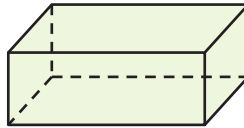


Name the solid figure.

10.



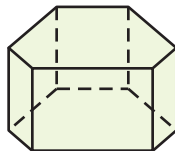
11.



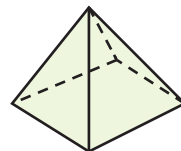
12.



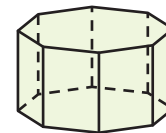
13.



14.



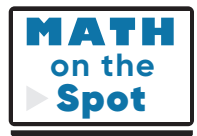
15.



Problem Solving • Applications

16. **MTR** Mario is making a sculpture out of stone. He starts by carving a base with five sides. He then carves five triangular lateral faces that all meet at an apex. What three-dimensional figure does Mario make?

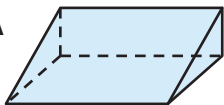
17. What is another name for a cube? Explain your reasoning.



18. Compare the characteristics of prisms and pyramids. Tell how they are alike and how they are different.

19. Write the letter in the box that correctly describes the three-dimensional figure.

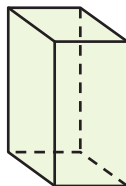
A



B



C



D



Prism

Pyramid

Connect to Reading

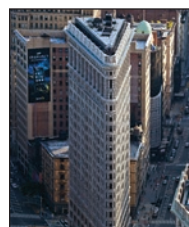
Identify the Details

If you were given a description of a building and asked to identify which one of these three buildings is described, which details would you use to determine the building?

A word problem contains details that help you solve the problem. Some details are meaningful and are important to finding the solution and some details may not be. *Identify the details* you need to solve the problem.

Example Read the description. Underline the details you need to identify the solid figure that will name the correct building.

This building is one of the most identifiable structures in its city's skyline. It has a square foundation and 28 floors. The building has four triangular exterior faces that meet at a point at the top of the structure.



◀ Flatiron Building,
New York City,
New York



◀ Nehru Science Center,
Mumbai, India



◀ Luxor Hotel,
Las Vegas, Nevada

Identify the solid figure and name the correct building.

20. Solve the problem in the Example.

Solid figure: _____

Building: _____

21. This building was completed in 1902. It has a triangular foundation and a triangular roof that are the same size and shape. The three sides of the building are rectangles.

Solid figure: _____

Building: _____