

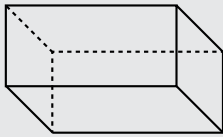
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Solid Figures

G.1.D G.2.D

Example

Jerold received a package in the mail with the following shape.



What is the name of the solid figure that Jerold received?

- A. cube
- B. rectangular prism
- C. rectangular pyramid
- D. triangular pyramid

Thinking It Through

Use the process of elimination to determine the correct answer.

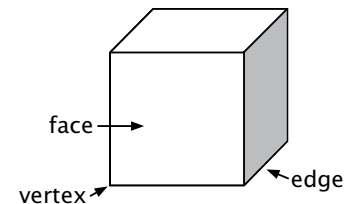
Ask Which of the shapes are made 6 faces, 12 edges, and 8 vertices?
Cube and rectangular prism.

Now use what you know. A cube has faces that are all the same size
Does the package look like a cube? No.

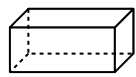
The package is a rectangular prism, *choice B*.

Review

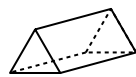
- Solid figures have length, width, and depth (also called height). A **face** is a flat side of a solid figure. An **edge** is a line segment where 2 faces of a solid figure meet. A **vertex** of a solid figure is a common point where 3 or more edges meet.
- The cube at right shows its faces, edges, and vertices.



Cube
6 square faces,
12 edges, 8 vertices



Rectangular Prism
6 faces, 12 edges
8 vertices



Triangular Prism
5 faces, 9 edges
6 vertices



Rectangular Pyramid
5 faces, 8 edges
5 vertices



Triangular Pyramid
4 faces, 6 edges
4 vertices



Cylinder
2 circular faces,
1 curved surface,
2 edges, 0 vertices



Cone
1 circular face,
1 curved surface,
1 edge, 1 vertex



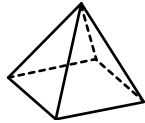
Sphere
1 curved surface,
0 faces, 0 edges,
0 vertices

Solid Figures

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Directions: Carefully read each question. Circle the letter of the correct answer.

1. What is the name of the solid figure?



- A. cube
- B. rectangular prism
- C. rectangular pyramid
- D. triangular pyramid



A pyramid is identified by the shape of its base.

2. Which solid figure has 3 pairs of parallel, congruent, opposite faces?

- A. rectangular pyramid
- B. rectangular prism
- C. triangular prism
- D. triangular pyramid

3. Which describes the attributes of a triangular pyramid?

- A. 4 faces, 6 edges, 4 vertices
- B. 5 faces, 8 edges, 5 vertices
- C. 5 faces, 9 edges, 6 vertices
- D. 6 faces, 12 edges, 8 vertices

4. Which two solid figures have the same number of faces?

- A. triangular pyramid and rectangular pyramid
- B. cube and triangular pyramid
- C. rectangular prism and rectangular pyramid
- D. rectangular pyramid and triangular prism