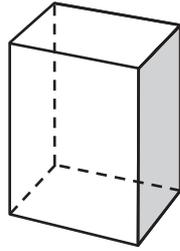


Write the correct answer.

For 1–4, use the figure.



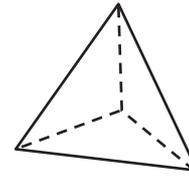
1 How many pairs of parallel faces does the figure appear to have?

2 How many faces, vertices, and edges does the figure appear to have?

3 Does the figure appear to have any faces that are NOT rectangles? If yes, write how many.

4 Does the figure appear to have any faces that are NOT parallelograms? If yes, write how many.

For 5–8, use the figure.



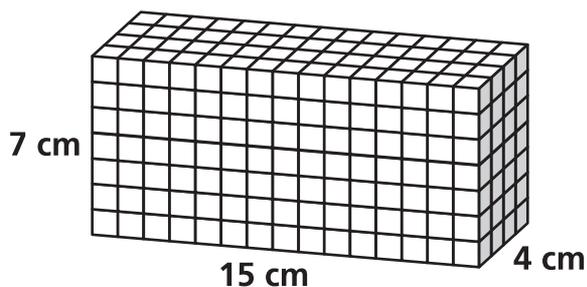
5 The base of the figure is an equilateral triangle. Must all 4 faces be congruent? Explain how you know.

6 How many faces, vertices, and edges does the figure appear to have?

7 Describe the figure as completely as possible.

8 Draw a square pyramid. How many more faces, vertices, and edges does a square pyramid have than the figure above?

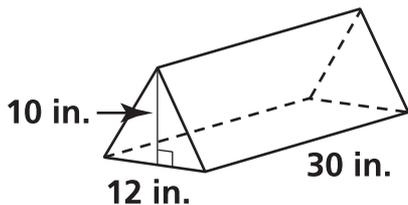
For 9–10, use the rectangular prism.



9 What is the area of the base of the prism?

10 What is the volume of the prism?

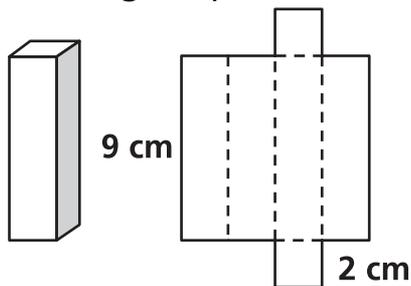
For 11–12, use the triangular prism.



11 What is the area of one triangular base of the prism?

12 What is the volume of the prism?

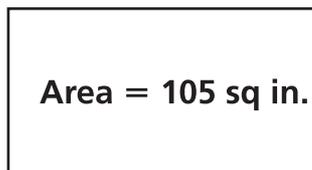
13 Use the net. What is the surface area of the rectangular prism?



14 The area of each face of the cube is 25 square centimeters. What is the volume of the cube?



15 The area of the rectangle is 105 square inches. If the length is 8 inches longer than the width, what are the dimensions of the rectangle?



16 The area of a base of a square prism is 16 sq m. The height is 3 times the length of one edge of the base. What are the volume and surface area of the prism?

