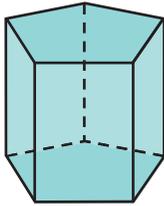


Look at each three-dimensional figure and answer the question by writing yes or no. [Lesson 1](#)

1



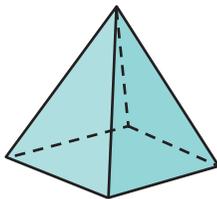
Does this figure appear to have any faces that are

parallelograms? _____ perpendicular? _____

triangles? _____ congruent? _____

trapezoids? _____ parallel? _____

2



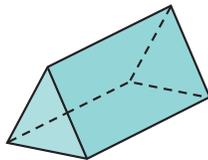
Does this figure appear to have any faces that are

parallelograms? _____ perpendicular? _____

triangles? _____ congruent? _____

trapezoids? _____ parallel? _____

3



How many faces, vertices, and edges does a triangular prism have? [Lesson 2](#)

_____ faces _____ vertices _____ edges

For each three-dimensional figure, write the letters of all attributes that apply. Some attributes apply to more than one three-dimensional figure. [Lesson 3](#)

4 Pyramid _____

5 Cone _____

6 Cylinder _____

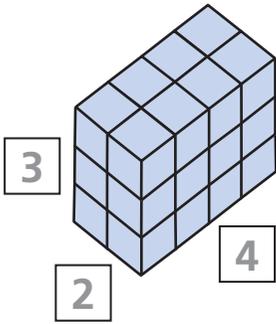
7 Prism _____

Attributes

- A** All its faces are polygons.
- B** It has at least one circular base.
- C** It has two parallel, congruent bases.
- D** All of its faces but two must be parallelograms. The remaining two faces can be any polygon.
- E** All of its faces but one must be triangles. The remaining face can be any polygon.

Find the area of the base and the volume of each rectangular prism built out of cubes. Lesson 4

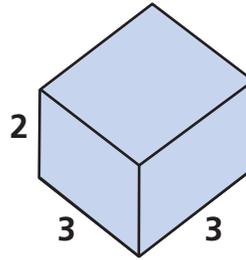
8



Area of base:

Volume:

9

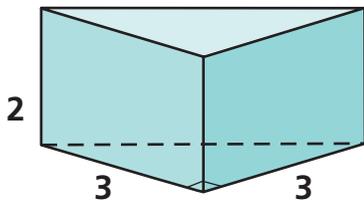


Area of base:

Volume:

This right triangular prism is sitting on its base. Use the dimensions to compute the volume. Lesson 5

10

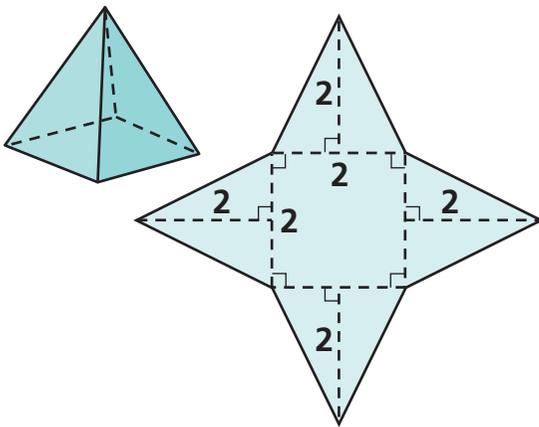


Volume: _____

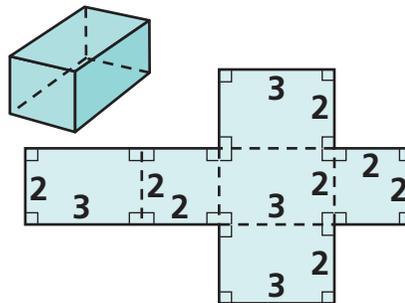
Show your work.

Use the dimensions shown on the net to find the surface area of each three-dimensional figure. Lessons 6 and 7

11



12



Solve the problem. Lesson 9

13 Brad has a cube-shaped box. Its volume is 400 cubic centimeters. To the nearest whole centimeter, how long is each edge of the box?

14 Keaton wants to plant a square garden with an area of 50 square feet. To the nearest foot, how long should she make each side of the garden?
