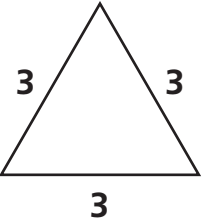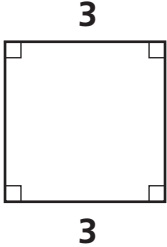# Making a Figure Zoo

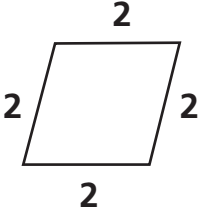**Write the most specific name for each figure (parallelogram, rectangle, square, rhombus, acute triangle, equilateral triangle, or obtuse triangle).**

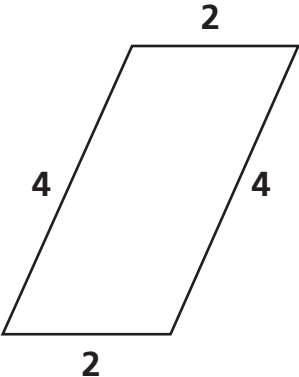**1**

3   3
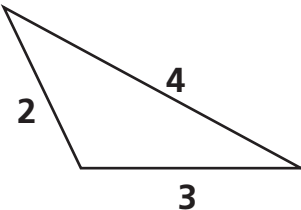
3

_____

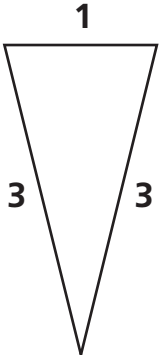**2**   3

3   3

3

_____

3   2

2   2

2

_____

4   2

4   4

2

_____

5

2   4

3

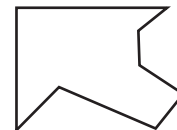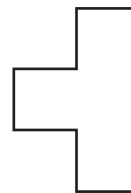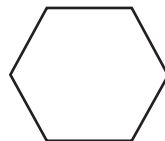_____

6   1

3   3

_____

Test Prep

7 Allison drew these figures:

Which is the best description of the figures she drew?
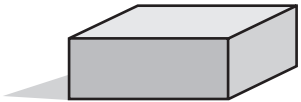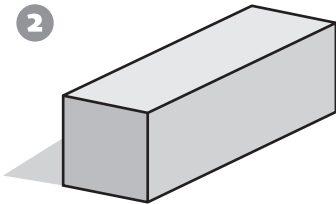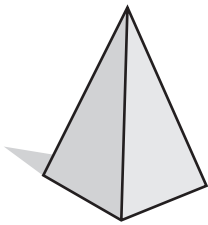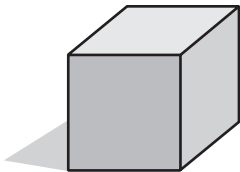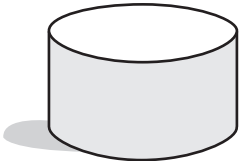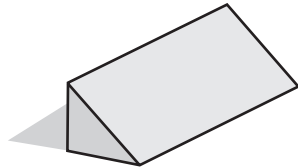
A. closed figures with right angles

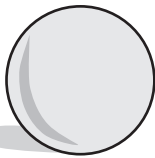**B.** closed figures with 7 or more sides

C. closed figures with 6 or more sides

D. closed figures with parallel sides

Describing Three-Dimensional Figures

Label the figures pyramid, prism, or neither. If a figure looks like a parallelogram, it is.

1

prism

2

_____

3

pyramid

4

_____

5

_____

6

_____

7

_____

8

_____

9

_____

Test Prep

10 Find the perimeters of the triangles.

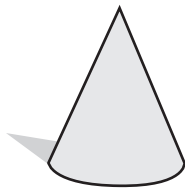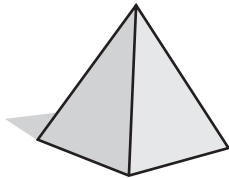**2.2 cm** / **2.2 cm**

2.2 cm

1.9 cm | **3 cm**

2.3 cm

1.2 cm / **2.3 cm**

2.7 cm

_____   _____   _____
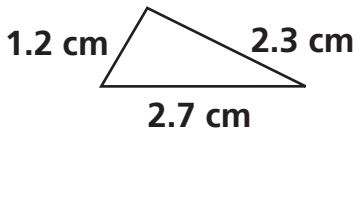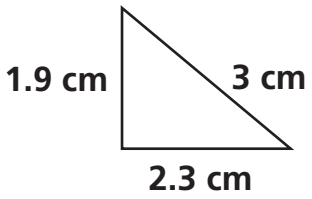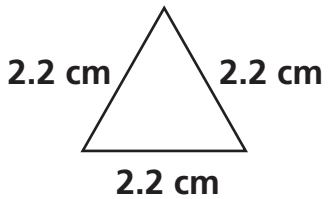
Going On a Figure Safari

Figure 1	Figure 2	Figure 3	Figure 4
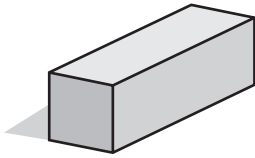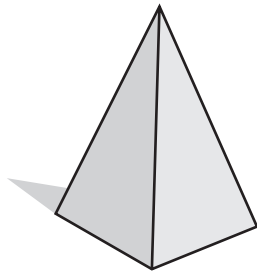
rectangular prism	triangular pyramid	triangular prism	cube
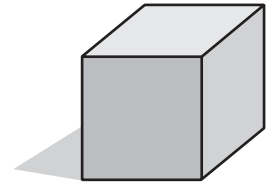
List all the figures that match each set of clues.

Clues	Answers
1 ☑ I have more than one pair of parallel faces.	
2 ☑ I have 9 edges.	
3 ☑ I am a prism and at least one of my faces is not a rectangle.	

Test Prep

4
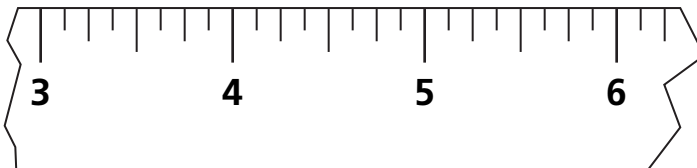
How long is the drawing of the truck?

A. $5\frac{3}{4}$ inches

B. $2\frac{3}{4}$ inches

C. $5\frac{1}{2}$ inches

D. $2\frac{1}{2}$ inches

Finding the Areas of Faces on Three-Dimensional Figures

All of the sections of the net below are rectangles.

1 What is the area of the net? _____ square inches

2 What is the total area of the faces of the polyhedron made by cutting, folding, and taping this net?
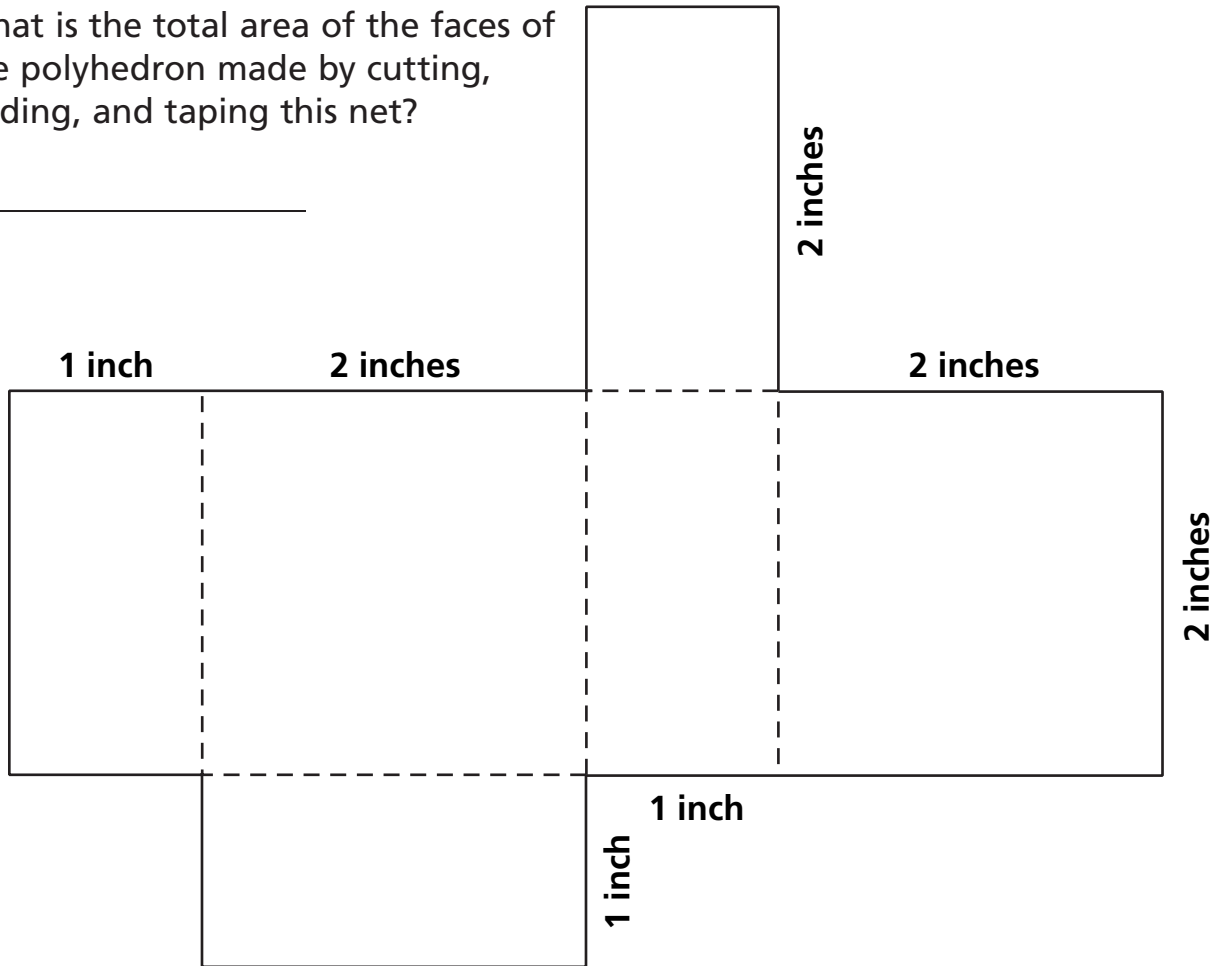
_____

2 inches

1 inch **2 inches** **2 inches**

2 inches

1 inch

1 inch

Test Prep

3 Which polygon always has four congruent sides?

   A. rectangle   **C.** parallelogram

   B. trapezoid   **D.** rhombus

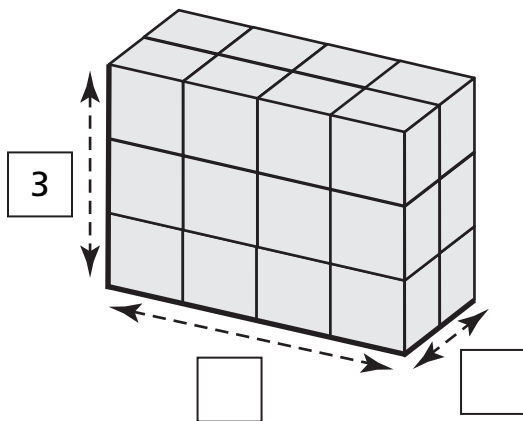**4** What are perpendicular lines?

_____

_____

Finding Volumes of Three-Dimensional Figures

1
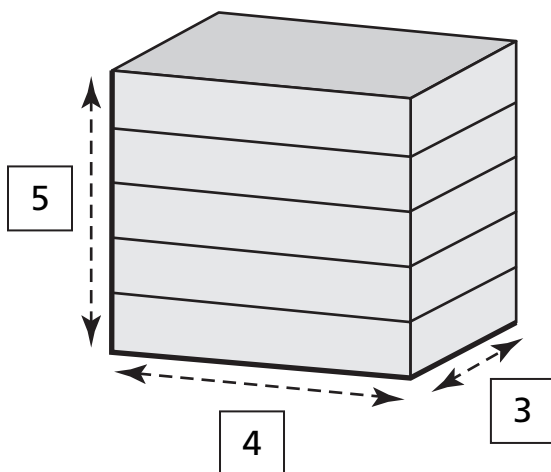
Number of cubes
   in each layer: _____ cubes

Number of cubes
   in the figure: _____ cubes

Volume: _____ cubes

3

2

Number of cubes
   in each layer: _____ cubes
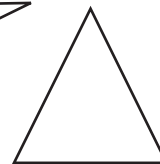
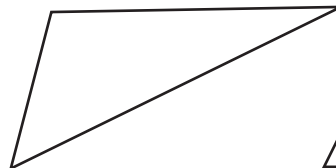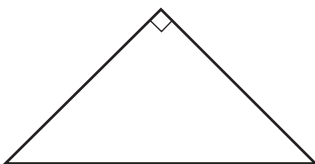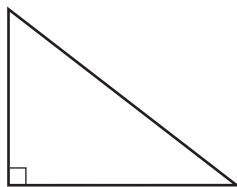Number of cubes
   in the figure: _____ cubes

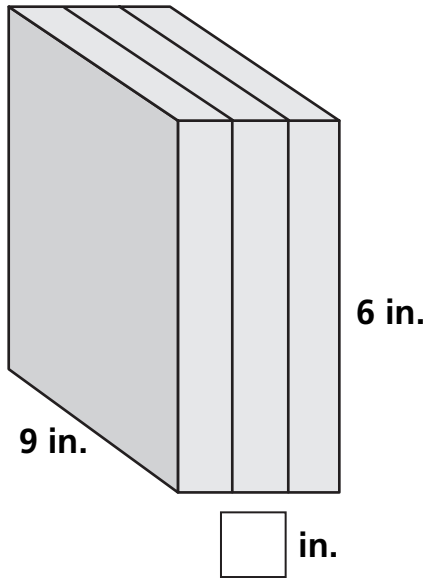Volume: _____ cubes

5

4   3

Test Prep

3 Circle the triangle that has an obtuse angle.
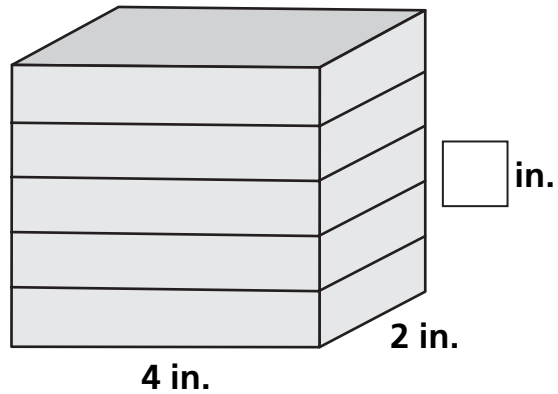
More Volumes of Three-Dimensional Figures

Find the volumes of these rectangular prisms in cubic inches.

1

6 in.

9 in.

☐ in.

Volume: _____ cubic inches

2

☐ in.

4 in.

2 in.

Volume: _____ cubic inches

3 What is the volume of a 1 in. × 8 in. × 7 in. prism? _____ cubic inches

4 What is the volume of a 2 in. × 6 in. × 9 in. prism? _____ cubic inches

5 What is the volume of a 4 in. × 2 in. × 11 in. prism? _____ cubic inches

Test Prep

6 Which unit would best measure the mass of a bug?

A. kilograms   **C.** grams
B. millimeters   **D.** centimeters

7 Which is longer, 1 meter or 50 centimeters? Explain.

_____

_____