Name _____
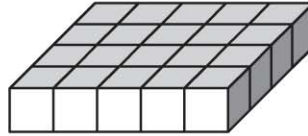
Unit Cubes and Solid Figures
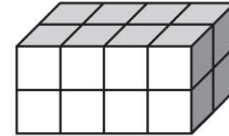
Count the number of cubes used to build each solid figure.
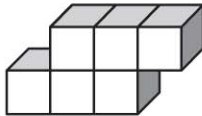
1.
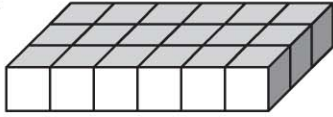
18 unit cubes
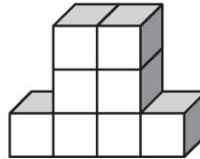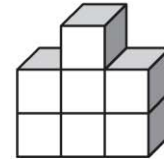
2.

_____ unit cubes

3.

_____ unit cubes
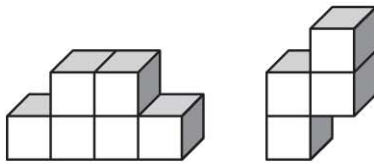
4.

_____ unit cubes

5.

_____ unit cubes

6.

_____ unit cubes

Compare the number of unit cubes in each solid figure. Use <, >, or =.

7.

_____ unit cubes ◯ _____ unit cubes

8.
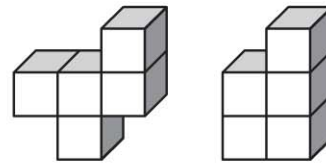
_____ unit cubes ◯ _____ unit cubes

Problem Solving REAL WORLD

9. A carton can hold 1,000 unit cubes that measure 1 inch by 1 inch by 1 inch. Describe the dimensions of the carton using unit cubes.

_____

_____

_____

10. Peter uses unit cubes to build a figure in the shape of the letter X. What is the fewest unit cubes that Peter can use to build the figure?

_____

Lesson Check (CC.5.MD.3a)

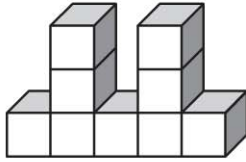1. Cala stacked some blocks to make the figure below. How many blocks are in Cala's figure?

Ⓐ 7   Ⓒ 9
Ⓑ 8   Ⓓ 10

2. Quentin has 18 unit cubes. How many different rectangular prisms can he build if he uses all of the cubes?

Ⓐ 4
Ⓑ 6
Ⓒ 8
Ⓓ 18

Spiral Review (CC.5.MD.1, CC.5.MD.3, CC.5.G.4)

3. In what shape are the lateral faces of a pyramid? (Lesson 11.5)

Ⓐ triangle
Ⓑ square
Ⓒ rectangle
Ⓓ hexagon

4. The Arnold family arrived at the beach at 10:30 A.M. They spent $3\frac{3}{4}$ hours there. What time did they leave the beach? (Lesson 10.7)

Ⓐ 1:15 P.M.
Ⓑ 2:15 P.M.
Ⓒ 3:15 P.M.
Ⓓ 3:45 P.M.

5. Which of the following is always true about a parallelogram? (Lesson 11.3)

Ⓐ All sides are congruent.
Ⓑ All angles are congruent.
Ⓒ It has 4 right angles.
Ⓓ Opposite sides are congruent.

6. The tire on Frank's bike moves 75 inches in one rotation. How many rotations will the tire have made after Frank rides 50 feet?

(Lesson 10.4)

Ⓐ 2
Ⓑ 8
Ⓒ 12
Ⓓ 24