

Name _____

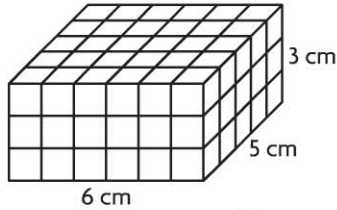
Volume of Rectangular Prisms

COMMON CORE STANDARD CC.5.MD.5a

Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

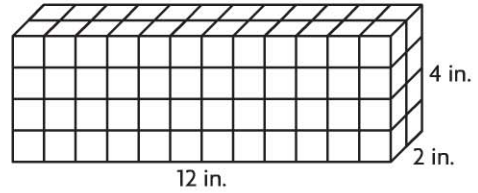
Find the volume.

1.



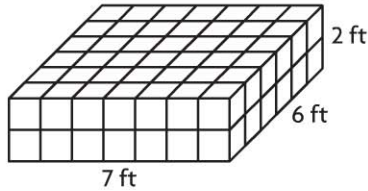
Volume: **90 cm³**

2.



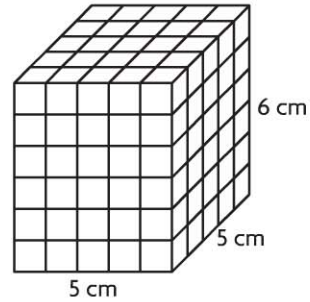
Volume: _____

3.



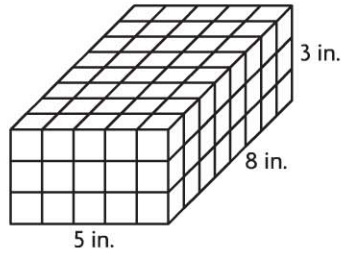
Volume: _____

4.



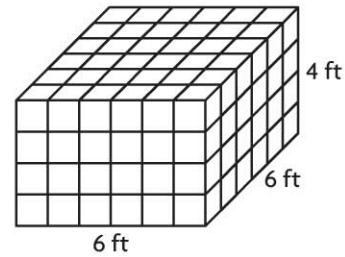
Volume: _____

5.



Volume: _____

6.



Volume: _____

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Problem Solving

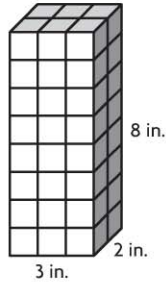
REAL WORLD

7. Aaron keeps his baseball cards in a cardboard box that is 12 inches long, 8 inches wide, and 3 inches high. What is the volume of this box?

8. Amanda's jewelry box is in the shape of a cube that has 6-inch edges. What is the volume of Amanda's jewelry box?

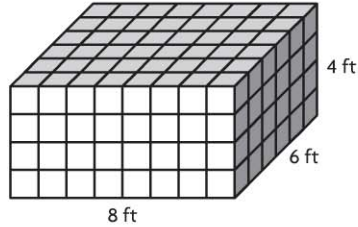
Lesson Check (CC.5.MD.5a)

1. Laini uses 1-inch cubes to build the box shown below. What is the volume of the box?



- (A) 13 in.^3 (C) 46 in.^3
 (B) 16 in.^3 (D) 48 in.^3

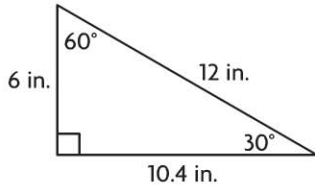
2. Mason stacked 1-foot cube-shaped boxes in a warehouse. What is the volume of the stack of boxes?



- (A) 19 ft^3 (C) 192 ft^3
 (B) 104 ft^3 (D) 208 ft^3

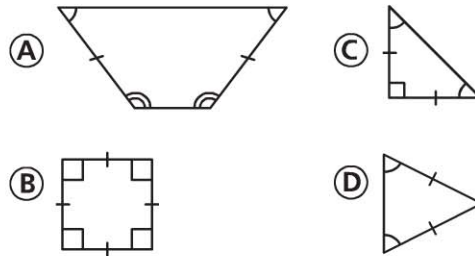
Spiral Review (CC.5.MD.1, CC.5.G.3, CC.5.G.4)

3. What type of triangle is shown below? (Lesson 11.2)



- (A) isosceles right
 (B) scalene acute
 (C) scalene obtuse
 (D) scalene right

4. Which figure is a quadrilateral that has opposite sides that are congruent and parallel? (Lesson 11.4)



5. Suzanne is 64 inches tall. Which of the following is equal to 64 inches? (Lesson 10.1)

- (A) 4 ft (C) 6 ft
 (B) 5 ft 4 in. (D) 6 ft 4 in.

6. Trevor bought 8 gallons of paint to paint his house. He used all but 1 quart. How many quarts of paint did Trevor use? (Lesson 10.4)

- (A) 7 quarts (C) 31 quarts
 (B) 15 quarts (D) 47 quarts