

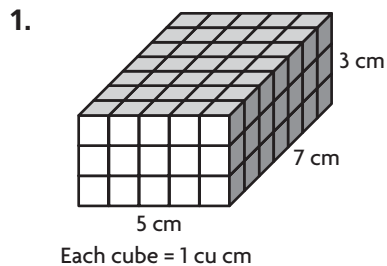
Name _____

Understand Volume

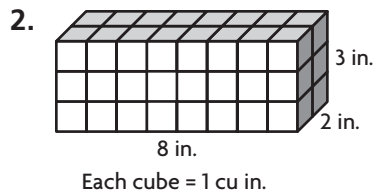


COMMON CORE STANDARD—5.MD.C.3b
5.MD.C.4 Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

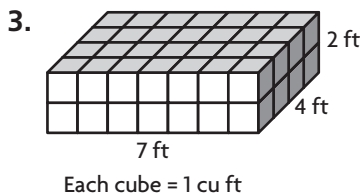
Use the unit given. Find the volume.



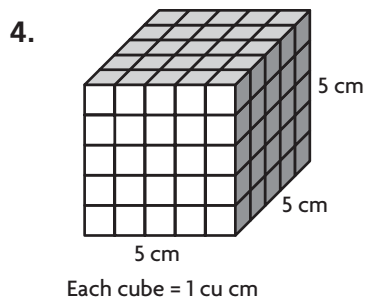
Volume = 105 cu cm



Volume = _____ cu _____

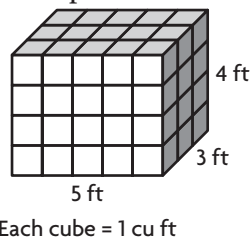


Volume = _____ cu _____

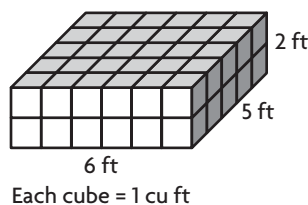


Volume = _____ cu _____

5. Compare the volumes. Write $<$, $>$, or $=$.



_____ cu ft _____ cu ft



Problem Solving

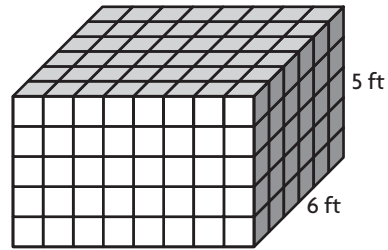
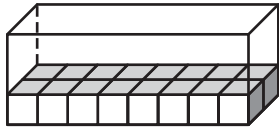


6. A manufacturer ships its product in boxes with edges of 4 inches. If 12 boxes are put in a carton and completely fill the carton, what is the volume of the carton?

7. Matt and Mindy each built a rectangular prism that has a length of 5 units, a width of 2 units, and a height of 4 units. Matt used cubes that are 1 cm on each side. Mindy used cubes that are 1 in. on each side. What is the volume of each prism?

Lesson Check (5.MD.C.3b, 5.MD.C.4)

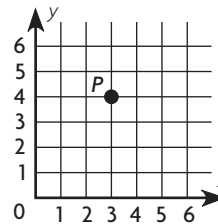
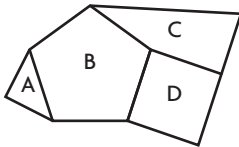
- Elena packed 48 cubes into this box. Each cube has edges that are 1 centimeter. How many layers of cubes did Elena make?
- What is the volume of the rectangular prism?



8 ft
Each cube = 1 cu ft

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

- Juan made a design with polygons. Which polygon in Juan's design is a pentagon?
- What ordered pair describes the location of point P ?



- What is the least number of acute angles that a triangle can have?
- Karen bought 3 pounds of cheese to serve at a picnic. How many ounces of cheese did Karen buy?
