

Study Guide: Geometry

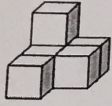
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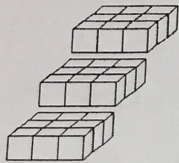
1 What is the volume of one unit cube?

2 Steve packed a box completely with unit cubes that each have a side length of 1 centimeter. The box has a volume of 36 cubic centimeters. How many unit cubes does Andy pack into the box?

3 What is the volume of the shape below?



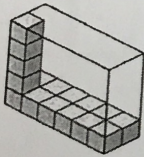
4 What is the volume of each layer? What is the total volume with all layers stacked together?



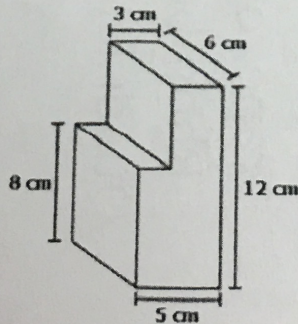
5 Find the area of a rectangle with the following dimensions:

$$16\frac{1}{2} \text{ m} \times 4\frac{1}{5} \text{ m}$$

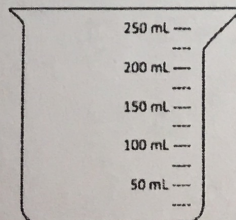
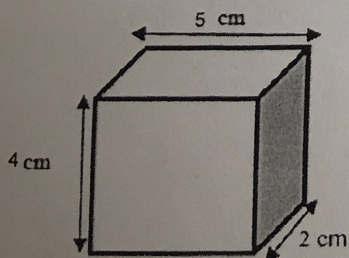
6 How many more cubes are required to completely fill the rectangular prism below?



7 Find the total volume of the shape.



8 The box below is filled with sand. Shade the beaker to show how many milliliters of sand is in the box.



Write an "X" under all of the shapes that have the properties listed.

Properties	Quadrilateral	Trapezoid	Parallelogram	Rectangle	Rhombus	Square	Kite
has exactly 4 sides							
has at least 1 pair of parallel sides							
has 2 pair of parallel sides							
has 4 90° angles							
has 4 equal sides							
opposite sides are equal lengths							
2 pair of adjacent sides with equal lengths							

0 Complete the hierarchy flowchart using the word bank.

Square
Parallelogram
Rectangle

Trapezoid
Rhombus
Quadrilaterals

