

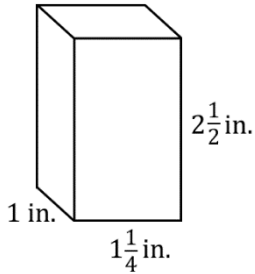
Math 6 - Unit 5: Geometry

Name: _____

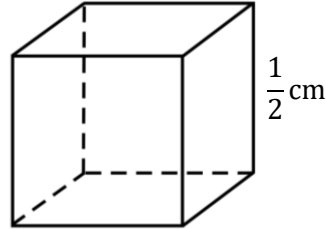
Volume of Rectangular Prisms with Fractional Edges

Class Period: 1 3 Date: _____

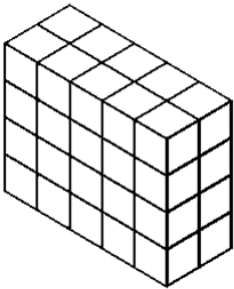
- 1) What is the volume of the rectangular prism?



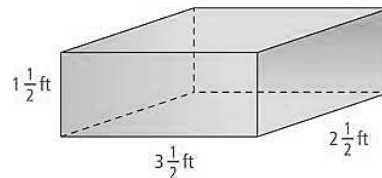
- 2) What is the volume of the cube?



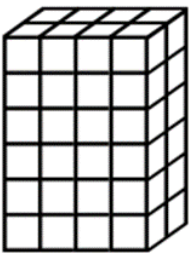
- 3) If the edge of each cube is $\frac{1}{2}$ inch, what is the volume of the rectangular prism?



- 4) How many cubed shaped boxes with an edge length of $\frac{1}{2}$ inch can be packed into the box shown?



- 5) If the edge of each cube is $\frac{1}{2}$ inch, what is the volume of the rectangular prism?



- 6) What is the volume of a rectangular prism with a length of $2\frac{1}{3}$, a width of $3\frac{2}{5}$ and a height of $1\frac{1}{2}$?

Math 6 - Unit 5: Geometry

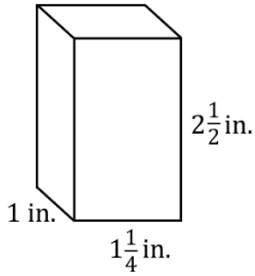
Name: _____

Volume of Rectangular Prisms with Fractional Edges

ANSWER KEY

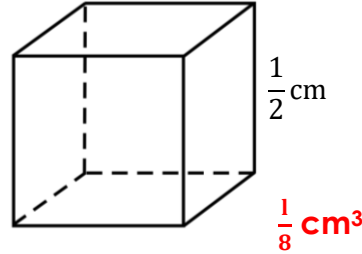
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1) What is the volume of the rectangular prism?



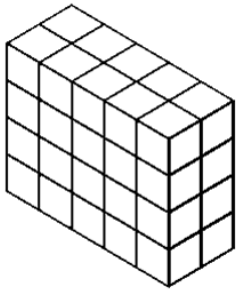
$\frac{25}{8}$ or $3\frac{1}{8}$ in³

2) What is the volume of the cube?



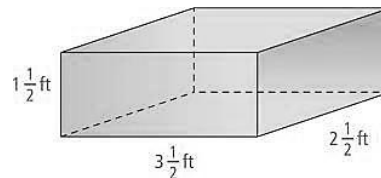
$\frac{1}{8}$ cm³

3) If the edge of each cube is $\frac{1}{2}$ inch, what is the volume of the rectangular prism?



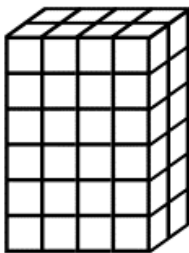
5 units³

4) How many cubed shaped boxes with an edge length of $\frac{1}{2}$ inch can be packed into the box shown?



105 cubes

5) If the edge of each cube is $\frac{1}{2}$ inch, what is the volume of the rectangular prism?



6 in³

6) What is the volume of a rectangular prism with a length of $2\frac{1}{3}$ in., a width of $3\frac{2}{5}$ in. and a height of $1\frac{1}{2}$ in.?

$\frac{357}{30}$ or $\frac{119}{10}$ or $11\frac{9}{10}$ in³