

Name _____

Date _____

Volume Of Rectangular Prisms With Fractional Side Lengths

G6

The volume of rectangular prisms with fractional side lengths is found by multiplying the length, width, and height. This helps us measure space inside objects, even when dimensions include fractions, making it useful in real-life situations.

Q1 Calculate the volume of a rectangular prism with side lengths $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$.

A. $\frac{1}{12}$
C. $\frac{1}{6}$

B. $\frac{1}{24}$
D. $\frac{1}{8}$

Q2 The side lengths of a rectangular prism are $\frac{2}{3}$, $\frac{1}{4}$, and $\frac{1}{2}$. What is its volume?

A. $\frac{1}{12}$
C. $\frac{1}{8}$

B. $\frac{1}{6}$
D. $\frac{1}{24}$

Q3 A rectangular prism has side lengths of $\frac{1}{3}$, $\frac{1}{3}$ and 1. What is its volume?

A. $\frac{1}{9}$
C. 1

B. $\frac{1}{3}$
D. $\frac{1}{6}$

Q4 A rectangular prism has dimensions $\frac{3}{4}$, $\frac{2}{5}$, and $\frac{1}{2}$. What is its volume?

A. $\frac{3}{20}$
C. $\frac{6}{40}$

B. $\frac{3}{40}$
D. $\frac{6}{20}$

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**Volume Of Rectangular Prisms With
Fractional Side Lengths - Answer Key****Q1****B****Q2****A****Q3****A****Q4****A**