



Volume of Rectangular Prisms

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

If a prism has volume 60 cm^3 , width 3 cm , and height 4 cm , the length is $60 \times 3 \times 4 = 720 \text{ cm}$.

Rewrite: _____

2. Fix the sentence:

A box with volume 36 in^3 , length 6 in , and width 3 in has height $= 36 \div 6 = 6 \text{ in}$.

Rewrite: _____

3. Fix the sentence:

To find a missing width, add the volume, length, and height together.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A prism has volume 80 cm^3 , length 8 cm , and height 2 cm . The width is _____ cm .
2. If $V = l \times w \times h$, then $h = V \div l \div$ _____.
3. A box has volume 120 in^3 , width 5 in , and height 4 in . The length is _____ in .
4. A rectangular prism has volume 90 m^3 and base area 15 m^2 . Its height is _____ m .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. A fish tank has volume 72 cubic inches, length 6 inches, and height 3 inches. What is the width?

2. Explain how finding a missing dimension is the opposite of finding volume.

Answer Key • Volume of Rectangular Prisms • Grade: Grade 5

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