GRADE 7 MATH · HOMEWORK · SPECIAL ED

Solve Problems Involving Volume

SCORE / 25

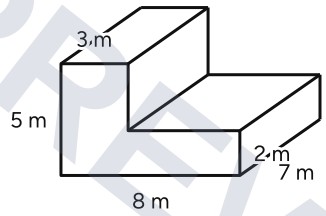
01 Part A · Practice

Break a composite solid into prisms, find each volume (V = Bh), and add or subtract.

1 ●○○

Find the volume of the composite prism.

HINT L-face area × depth.



2 ●○○

A 12 × 11 × 11 in. block ($\ell \times w \times h$) has a 5 by 4 in. rectangular hole all the way along its length. Find the volume left.

HINT Find the whole block's volume. Subtract the hole (a long box).

3 ●○○

A 2 by 7 by 8 ft box sits on top of a 7 by 13 by 7 ft box. What is the total volume?

HINT Find each volume, then add.

4 ●○○

A 9 × 14 × 11 in. block ($\ell \times w \times h$) has a 2 by 1 in. rectangular hole all the way along its length. Find the volume left.

HINT Find the whole block's volume. Subtract the hole (a long box).

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Preview - the full worksheet and its answer key are at primeworksheet.com