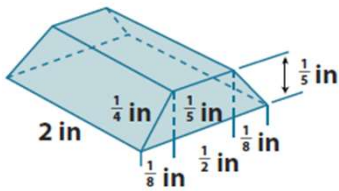
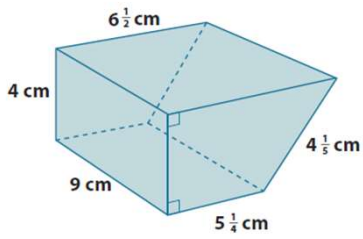


Volume of Prisms Worksheets

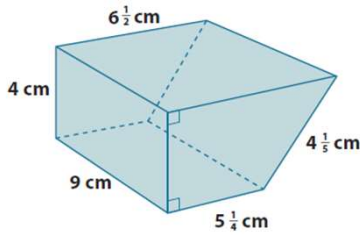
1. Calculate the volume of each solid using the formula $V = Bh$ (all angles are 90 degrees)



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Volume of Prisms Worksheets

1. Calculate the volume of each solid using the formula $V = Bh$ (all angles are 90 degrees)



$$V = Bh$$

$$V = 23 \frac{1}{2} \text{ cm}^2 \cdot 9 \text{ cm}$$

$$V = 207 \text{ cm}^3 + \frac{9}{2} \text{ cm}^3$$

$$V = 207 \text{ cm}^3 + 4 \text{ cm}^3 + \frac{1}{2} \text{ cm}^3$$

$$V = 211 \frac{1}{2} \text{ cm}^3$$

$$V = Bh$$

$$B = A_{\text{rectangle}} + A_{\text{triangle}}$$

$$B = lw + \frac{1}{2}bh$$

$$B = \left(5 \frac{1}{4} \text{ cm} \cdot 4 \text{ cm}\right) + \frac{1}{2} \left(4 \text{ cm} \cdot 1 \frac{1}{4} \text{ cm}\right)$$

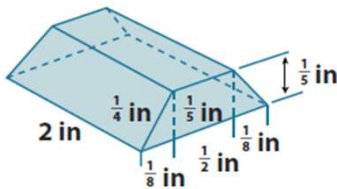
$$B = (20 \text{ cm}^2 + 1 \text{ cm}^2) + \left(2 \text{ cm} \cdot 1 \frac{1}{4} \text{ cm}\right)$$

$$B = 21 \text{ cm}^2 + 2 \text{ cm}^2 + \frac{1}{2} \text{ cm}^2$$

$$B = 23 \text{ cm}^2 + \frac{1}{2} \text{ cm}^2$$

$$B = 23 \frac{1}{2} \text{ cm}^2$$

The volume of the solid is $211 \frac{1}{2} \text{ cm}^3$.



$$V = Bh$$

$$B = A_{\text{rectangle}} + 2A_{\text{triangle}}$$

$$B = lw + 2 \cdot \frac{1}{2}bh$$

$$B = \left(\frac{1}{2} \text{ in} \cdot \frac{1}{5} \text{ in}\right) + \left(1 \cdot \frac{1}{8} \text{ in} \cdot \frac{1}{5} \text{ in}\right)$$

$$B = \frac{1}{10} \text{ in}^2 + \frac{1}{40} \text{ in}^2$$

$$B = \frac{4}{40} \text{ in}^2 + \frac{1}{40} \text{ in}^2$$

$$B = \frac{5}{40} \text{ in}^2$$

$$B = \frac{1}{8} \text{ in}^2$$

$$V = Bh$$

$$V = \frac{1}{8} \text{ in}^2 \cdot 2 \text{ in}$$

$$V = \frac{1}{4} \text{ in}^3$$

The volume of the solid is $\frac{1}{4} \text{ in}^3$.