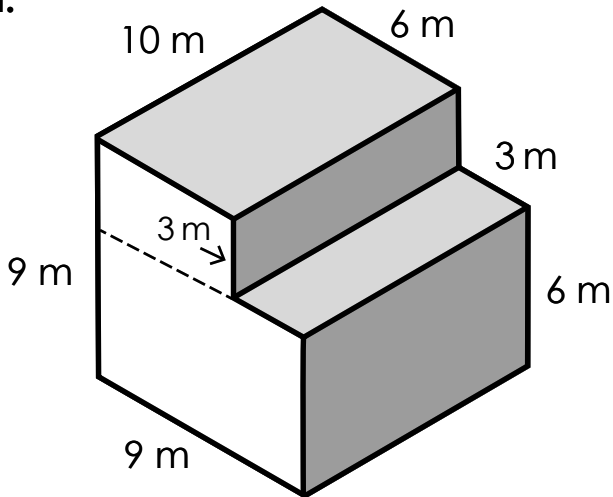


Name: _____

Volume of Composite Figures

Find the volume of each solid figure.

a.



Volume of part 1:

$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ m}^3$$

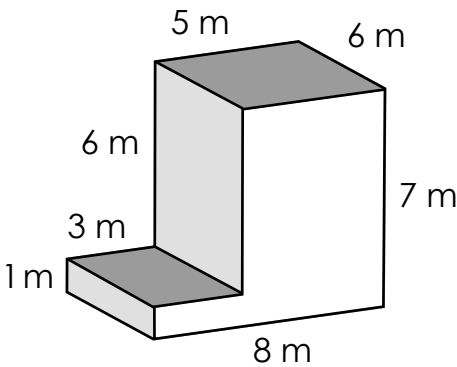
Volume of part 2:

$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ m}^3$$

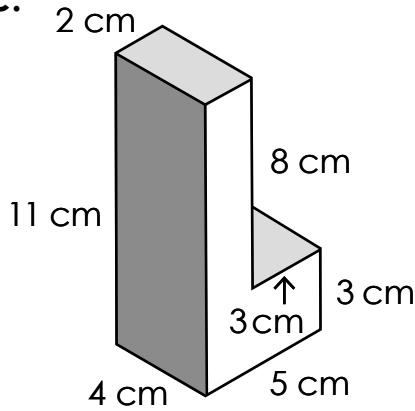
Volume of shape:

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \text{ m}^3$$

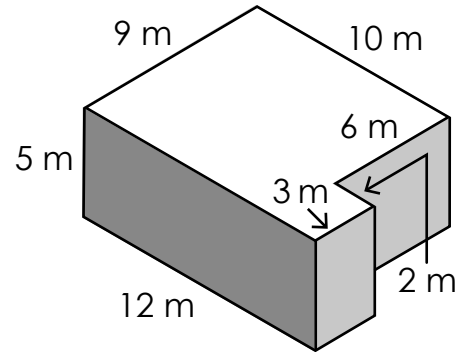
b.



c.



d.

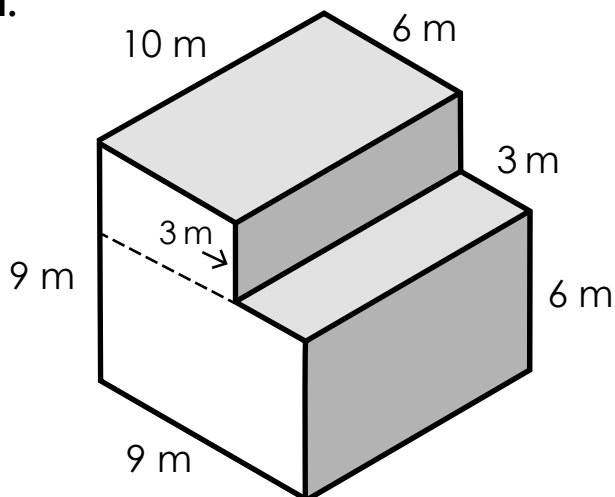


ANSWER KEY

Volume of Composite Figures

Find the volume of each solid figure.

a.



Volume of part 1:

$$\underline{10} \times \underline{6} \times \underline{3} = \underline{180} \text{ m}^3$$

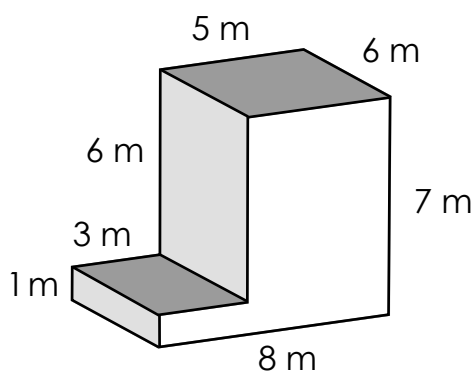
Volume of part 2:

$$\underline{9} \times \underline{6} \times \underline{10} = \underline{540} \text{ m}^3$$

Volume of shape:

$$\underline{180} + \underline{540} = \underline{720} \text{ m}^3$$

b.



$$\underline{6 \times 6 \times 5 = 180 \text{ m}^3}$$

$$\underline{1 \times 8 \times 6 = 48 \text{ m}^3}$$

$$\underline{180 + 48 = 228 \text{ m}^3}$$

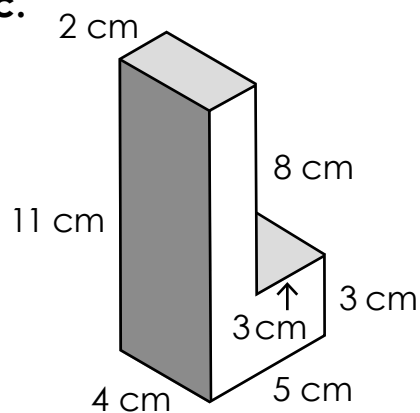
or

$$\underline{1 \times 3 \times 6 = 18 \text{ m}^3}$$

$$\underline{5 \times 6 \times 7 = 210 \text{ m}^3}$$

$$\underline{18 + 210 = 228 \text{ m}^3}$$

c.



$$\underline{2 \times 8 \times 4 = 64 \text{ cm}^3}$$

$$\underline{5 \times 3 \times 4 = 60 \text{ cm}^3}$$

$$\underline{64 + 60 = 124 \text{ cm}^3}$$

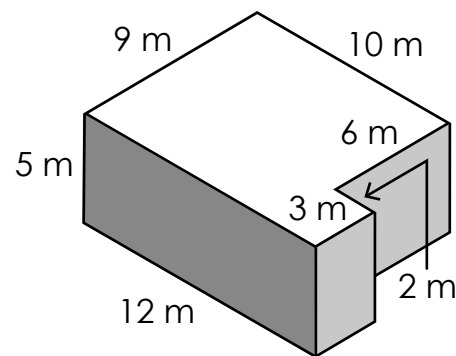
or

$$\underline{2 \times 11 \times 4 = 88 \text{ cm}^3}$$

$$\underline{3 \times 3 \times 4 = 36 \text{ cm}^3}$$

$$\underline{88 + 36 = 124 \text{ cm}^3}$$

d.



$$\underline{9 \times 10 \times 5 = 450 \text{ m}^3}$$

$$\underline{3 \times 2 \times 5 = 30 \text{ m}^3}$$

$$\underline{450 + 30 = 480 \text{ m}^3}$$

or

$$\underline{12 \times 3 \times 5 = 180 \text{ m}^3}$$

$$\underline{6 \times 10 \times 5 = 300 \text{ m}^3}$$

$$\underline{180 + 300 = 480 \text{ m}^3}$$