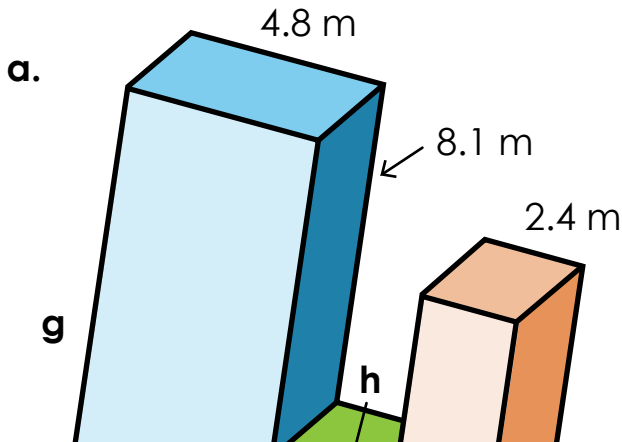


Name: \_\_\_\_\_

# Volume of Composite Figures

Find the missing lengths and the volume of each solid figure.



$g = \underline{\hspace{2cm}}$        $h = \underline{\hspace{2cm}}$

**Volume of the blue shape:**

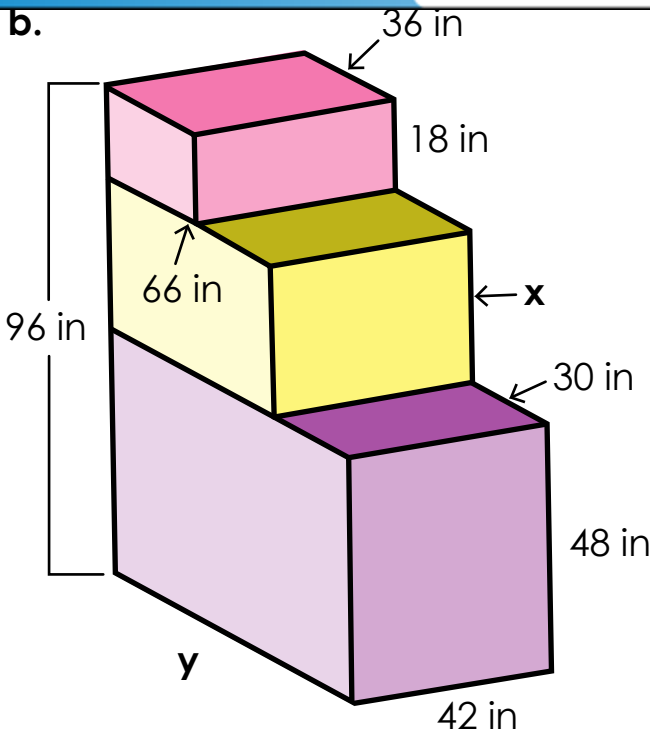
$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ m}^3$

**Volume of the lime shape:**

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ m}^3$

# Preview

Please log in to download the printable version of this worksheet.



$x = \underline{\hspace{2cm}}$        $y = \underline{\hspace{2cm}}$

**Volume of the pink shape:**

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ in}^3$

**Volume of the yellow shape:**

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ in}^3$

**Volume of the purple shape:**

$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ in}^3$

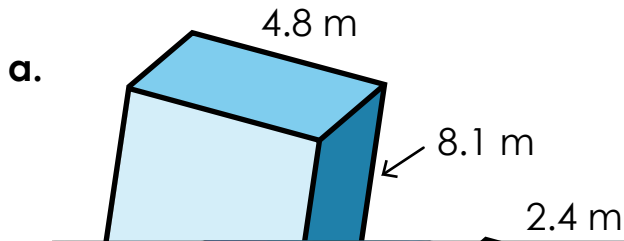
**Volume of shape:**

$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ in}^3$

# ANSWER KEY

## Volume of Composite Figures

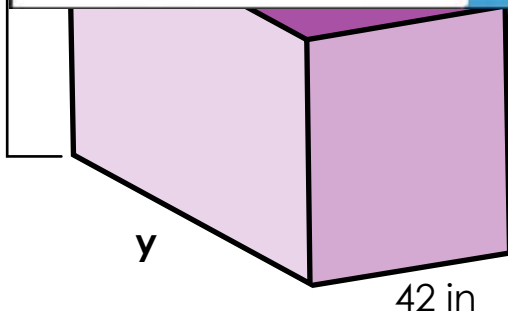
Find the missing lengths and the volume of each solid figure.



$$g = \underline{14.1} \quad h = \underline{3.1}$$

Volume of the blue shape:

$$4.2 \times 4.8 \times 14.1 = 284.256 \text{ m}^3$$



Volume of the purple shape:

$$48 \text{ in} \times \underline{42} \times \underline{48} \times \underline{96} = \underline{193,536} \text{ in}^3$$

Volume of shape:

$$\underline{27,216} + \underline{83,160} + \underline{193,536} = \underline{303,912} \text{ in}^3$$