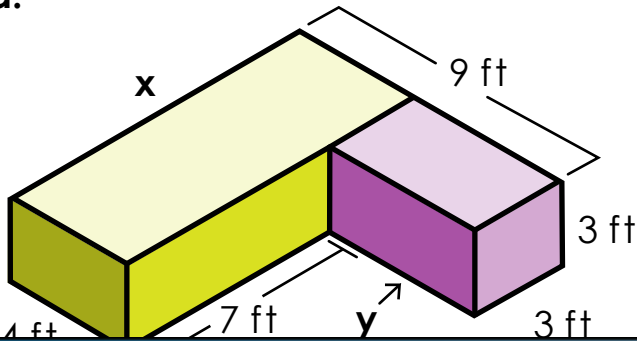


Name: \_\_\_\_\_

# Volume of Composite Figures

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

a.



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

Volume of the lime shape:

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \text{ ft}^3$

Volume of the purple shape:

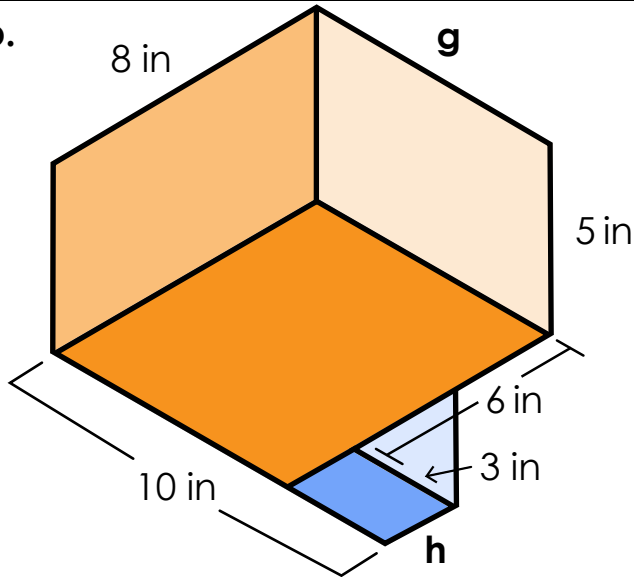
$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \text{ ft}^3$



# Preview

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

b.



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

Volume of the orange shape:

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \text{ in}^3$

Volume of the blue shape:

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \text{ in}^3$

Volume of shape:

$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \text{ in}^3$

# ANSWER KEY

## Volume of Composite Figures

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

a.

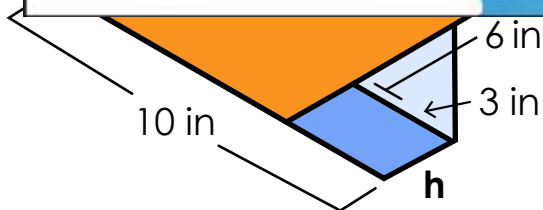
$$x = \underline{10} \quad y = \underline{5}$$



Volume of the lime shape:



b.



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

Volume of shape:

$$\underline{280} + \underline{30} = \underline{310} \text{ in}^3$$