

Name: _____

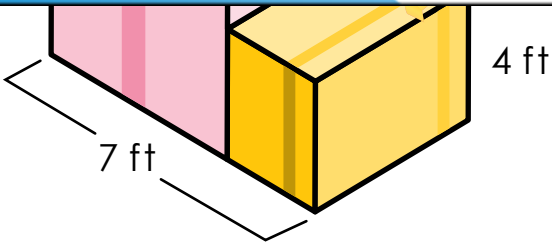
Volume of Composite Figures

'Tis the season to find the volume of presents! Find the missing measurements and volume of each present. Then add to find the volume of the entire grouping.



Preview

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$a = \underline{\quad}$ $b = \underline{\quad}$

Volume of pink present:

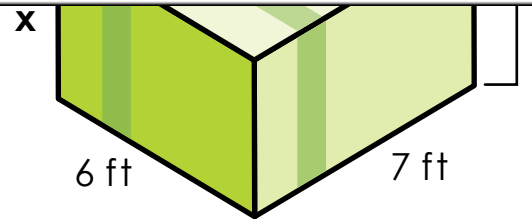
$\underline{\quad} \times \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ ft}^3$

Volume of yellow present:

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

Volume of the combined presents:

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



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

Volume of purple present:

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

Volume of green present:

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

Volume of the combined presents:

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

ANSWER KEY

Volume of Composite Figures

'Tis the season to find the volume of presents! Find the volume of each present. Then add to find the volume of the entire grouping.



Preview

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9 ft

ft³

ft³

ft³

$$175 + 40 = 215 \text{ ft}^3 \quad 96 + 210 = 306 \text{ ft}^3$$