

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.



6.2 ft

6.9 ft

x

48 in



# Preview

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a = \_\_\_\_\_ b = \_\_\_\_\_

Volume of blue present:

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ ft<sup>3</sup>

Volume of yellow present:

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ ft<sup>3</sup>

Volume of green present:

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ ft<sup>3</sup>

Volume of the combined presents:

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ ft<sup>3</sup>

x = \_\_\_\_\_ y = \_\_\_\_\_

Volume of purple present:

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ in<sup>3</sup>

Volume of pink present:

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ in<sup>3</sup>

Volume of orange present:

\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ in<sup>3</sup>

Volume of the combined presents:

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ in<sup>3</sup>

# 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.

6.2 ft      6.9 ft      1.5 ft      x      48 in

8.1 ft      08 in

**Preview**

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a =

Vol

6.

Vol

2

Vol

3

Vol

346.518 + 81.84 + 57.66 = 486.018 ft<sup>3</sup>      82,944 + 62,208 + 248,832 = 393,984 in<sup>3</sup>