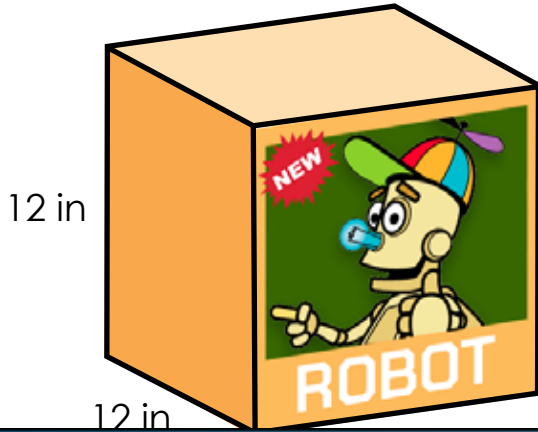


Name: _____

Volume of Composite Figures

Ms. Diggs needs to fill the store shelves with toy robots for the holiday season. How many boxes of robots can be placed on the shelves?



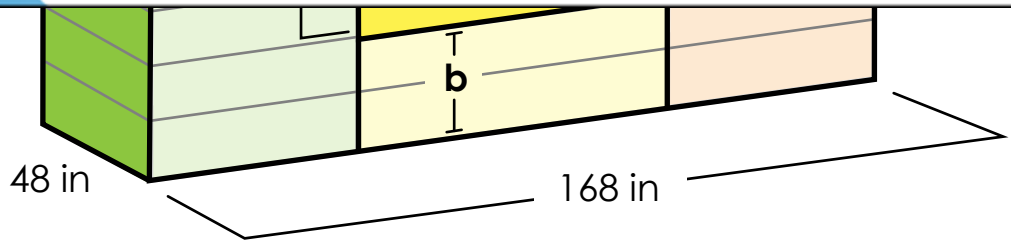
Volume of robot package:

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



Preview

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



Volume of shelf one (green):

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

Volume of shelf two (yellow):

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

Volume of shelf three (orange):

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

Volume of the display:

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

Number of boxes that will fit in display:

ANSWER KEY

Volume of Composite Figures

Ms. Diggs needs to fill the store shelves with toy robots for the holiday season. How many boxes of robots can be placed on the shelves?



Volume of robot package:

$$\underline{12} \times \underline{12} \times \underline{12} = \underline{1,728} \text{ in}^3$$

Preview

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



Volume
48

96 in³

$$\underline{48} \times \underline{48} \times \underline{96} = \underline{221,184} \text{ in}^3$$

Volume of the display:

Number of boxes that will fit in display:

$$\underline{165,888} + \underline{82,944} + \underline{221,184} = \underline{470,016} \text{ in}^3$$

$$\underline{470,016} \div \underline{1,728} = \underline{272}$$