

# Finding Volumes of Three-Dimensional Figures

NCTM Standards 1, 3, 4, 6, 7, 8, 9, 10

**Attach a small copy of the net for your three-dimensional figure here:**

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**Place your three-dimensional figure on the desk so that its bottom and top surfaces are congruent. Build the figure with cube blocks.**

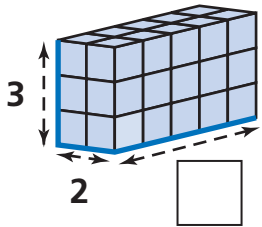
**1** How many cubes are in the model? \_\_\_\_\_ cubes

**2** How many cubes are in each layer? \_\_\_\_\_ cubes

**3** How many layers of cubes are there? \_\_\_\_\_ layers

**4** What is the volume of your three-dimensional shape? \_\_\_\_\_ cubic inches

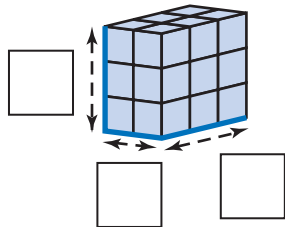
5



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

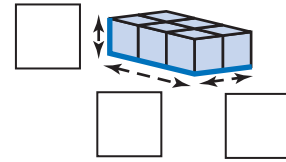
6



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

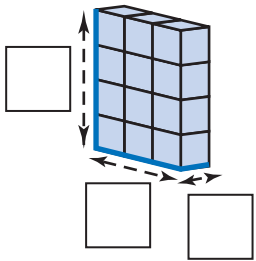
7



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

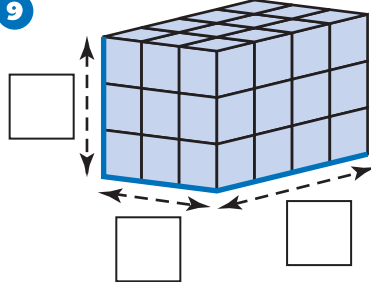
8



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

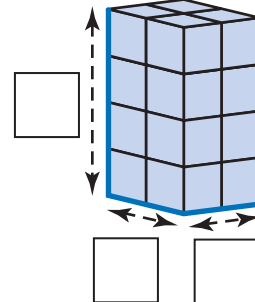
9



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

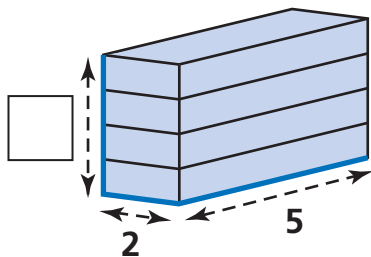
10



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

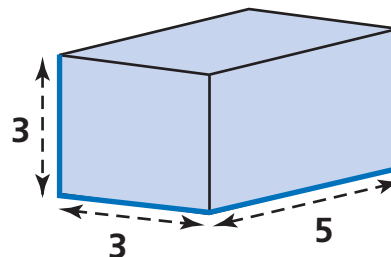
**11 Challenge**



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes

**12 Challenge**



Number of cubes in each layer: \_\_\_\_\_ cubes

Volume: \_\_\_\_\_ cubes