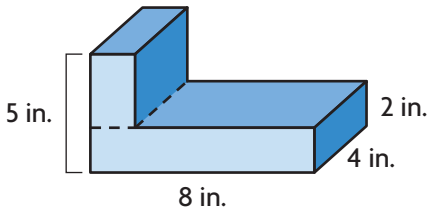
Name _____

Share and Show

Math Board

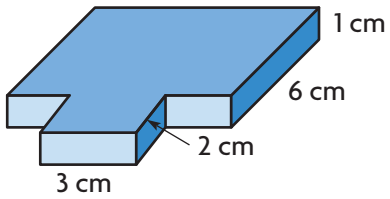
Find the volume of the composite figure.

1.



$V =$ _____

2.

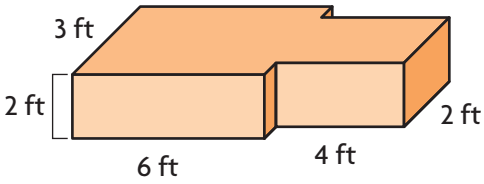


$V =$ _____

On Your Own

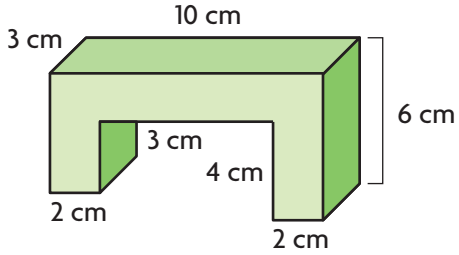
Find the volume of the composite figure.

3.



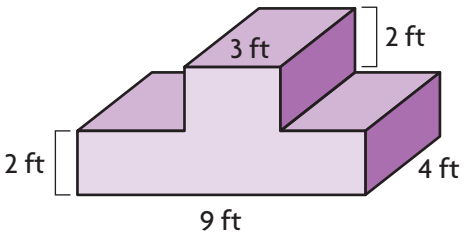
$V =$ _____

4.



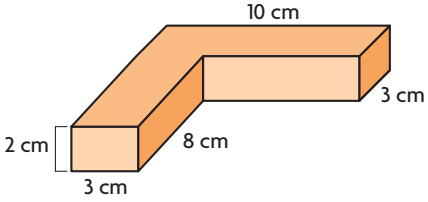
$V =$ _____

5. Mr. Alcorta's class built this platform for a school event. They also built a model of the platform in which 1 foot was represented by 2 inches. What is the volume of the platform? What is the volume of the model?



_____

6. Patty added the values of the expressions $2 \times 3 \times 11$ and $2 \times 3 \times 10$ to find the volume of the composite figure. Describe her error. What is the correct volume of the composite figure?



MATH on the Spot

_____

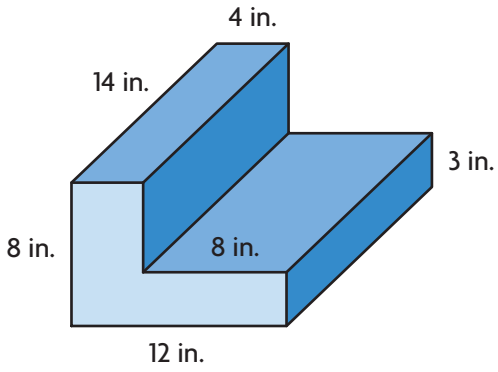
_____

_____

© Houghton Mifflin Harcourt Publishing Company

Problem Solving · Applications

Use the composite figure at the right for 7–9.



7. As part of a wood-working project, Jordan made the figure at the right out of wooden building blocks. How much space does the figure he made take up?

_____

8. What are the dimensions of the two rectangular prisms you used to find the volume of the figure? What other rectangular prisms could you have used?

_____

_____

_____

_____

9. MTR If the volume is found using subtraction, what is the volume of the empty space that is subtracted? Explain.

_____

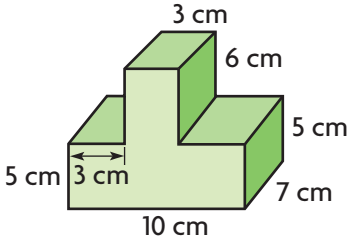
_____

10. WRITE Math Explain how you can find the volume of composite figures that are made by combining rectangular prisms.

_____

_____

11. A composite figure is shown. What is the volume of the composite figure?



Volume = _____ cubic centimeters

© Houghton Mifflin Harcourt Publishing Company