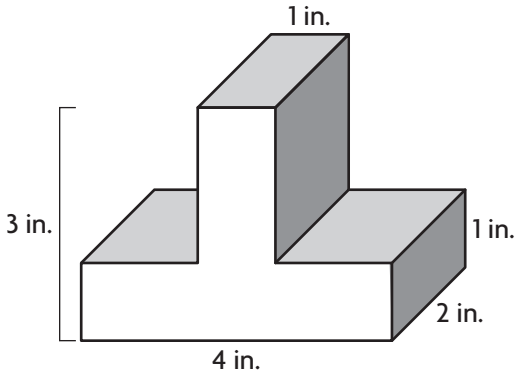
Name _____

Find Volume of Composed Figures

Go Online
Interactive Examples

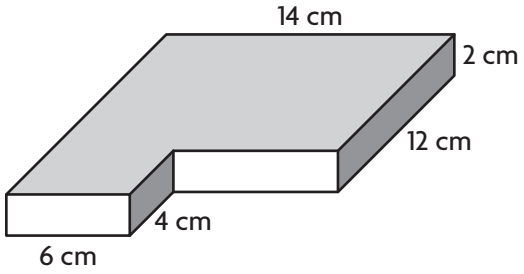
Find the volume of the composite figure.

1.



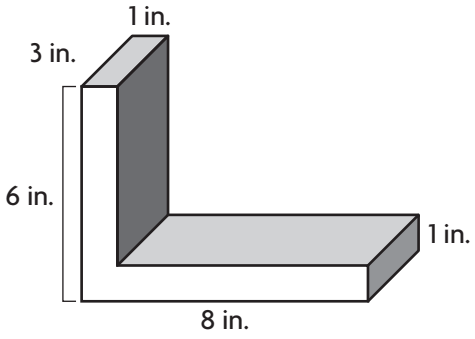
$V =$ _____

2.



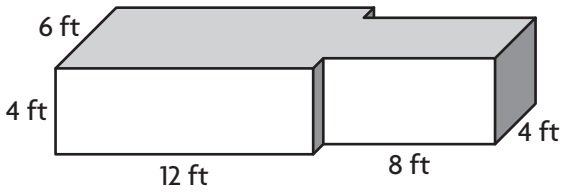
$V =$ _____

3.



$V =$ _____

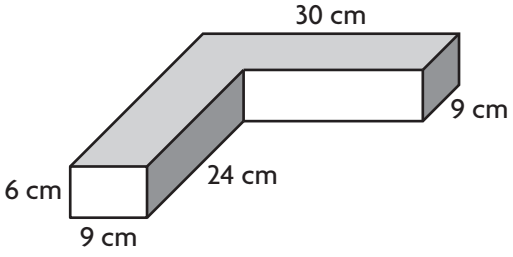
4.



$V =$ _____

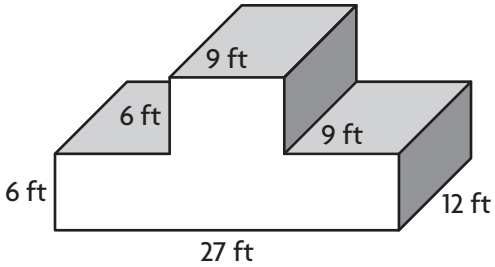
Problem Solving

5. As part of her shop class, Jules made the figure below out of pieces of wood. How much space does the figure she made take up?



_____

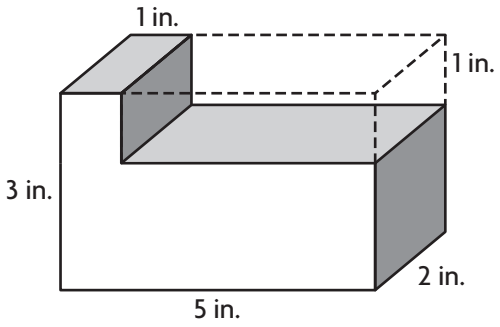
6. What is the volume of the composite figure below?



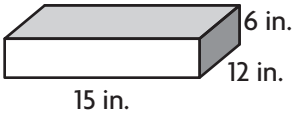
_____

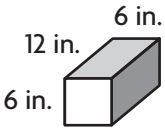
Lesson Check

7. Write an expression to represent the volume of the composite figure.



8. Suppose you take the small prism and stack it on top of the larger prism. What will be the volume of the composite figure?

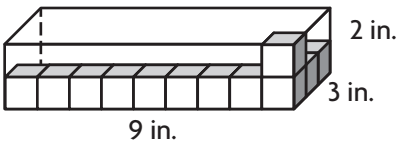




Spiral Review

9. Jesse wants to build a wooden chest with a volume of 8,100 cubic inches. The length will be 30 inches and the width will be 15 inches. How tall will Jesse's chest be?

10. What is the volume of the rectangular prism?



11. Adrian's recipe for cranberry relish calls for $1\frac{3}{4}$ cups of sugar. He wants to use $\frac{1}{2}$ that amount. How much sugar should he use?

12. Joanna has a board that is 6 feet long. She cuts it into pieces that are each $\frac{1}{4}$ foot long. Write an equation to represent the number of pieces she cut.