



# Measure Figures Made from Prisms

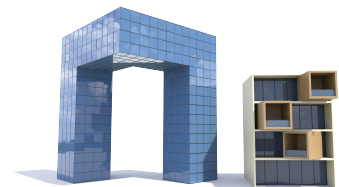
Let's find the volumes of more figures.

## Warm-up

### Number Talk: Times Ten

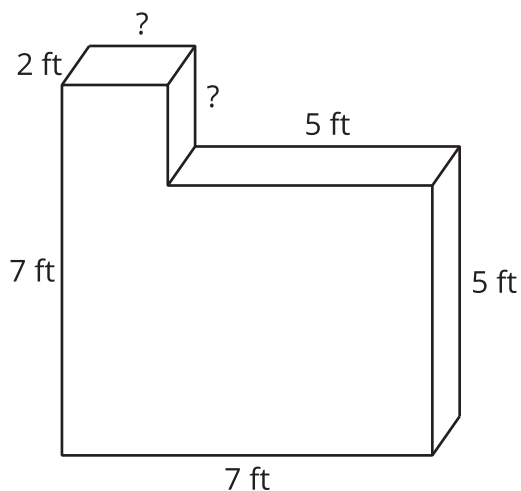
Find the value of each expression mentally.

- $6 \times 2$
- $6 \times 2 \times 10$
- $6 \times 20 \times 10$
- $60 \times 20 \times 10$



## Activity 1

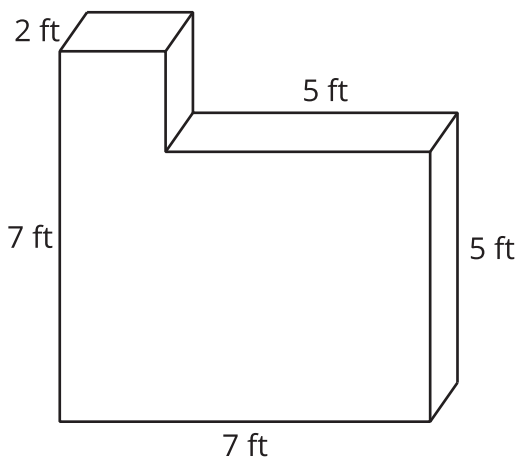
### Find the Volumes of Figures



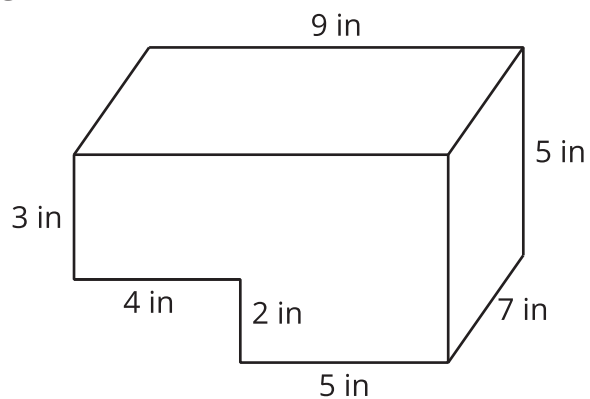
Partner A: Find the volume of Figure 1.

Partner B: Find the volume of Figure 2.

**Figure 1**



**Figure 2**

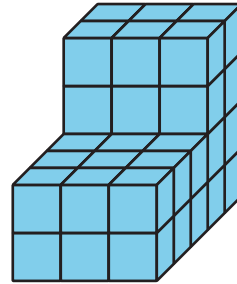


## Activity 2

### Expressions for the Volume of a Figure

1. Explain how each expression represents the volume of the figure. Show your reasoning. Organize your work so it can be followed by others.

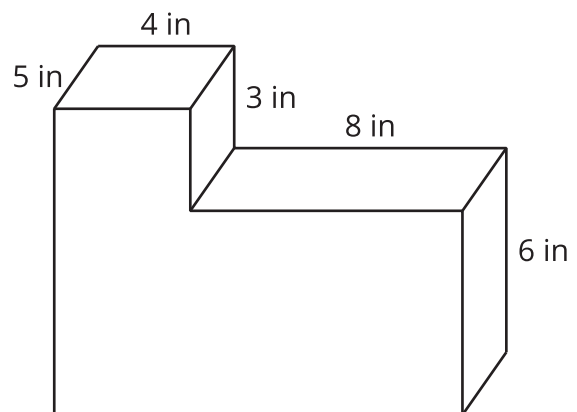
a.  $((2 \times 3) \times 4) + ((3 \times 3) \times 2)$



b.  $(5 \times 6) + (3 \times 4)$

2. How does each expression represent the volume of the prism? Explain or show your reasoning. Organize your work so it can be followed by others.

a.  $(5 \times 8 \times 6) + (5 \times 4 \times 9)$  cubic inches



b.  $(5 \times 4 \times 3) + (5 \times 12 \times 6)$  cubic inches