

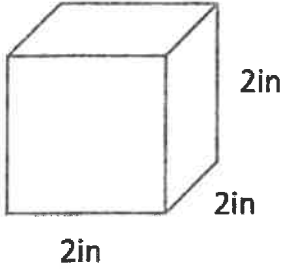
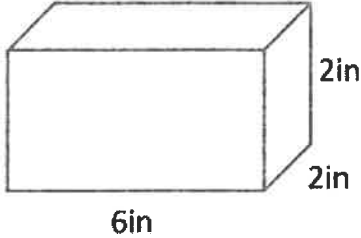
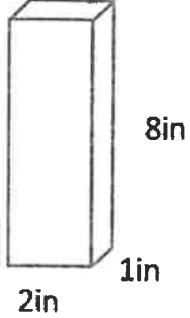
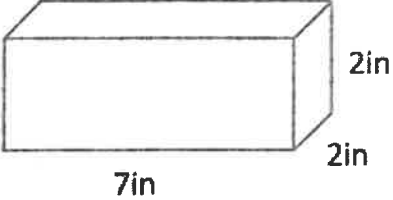
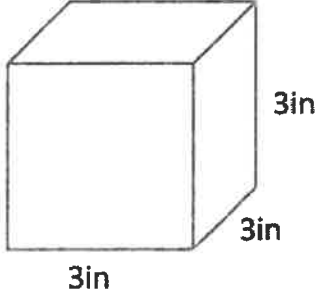
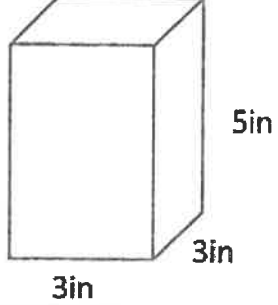
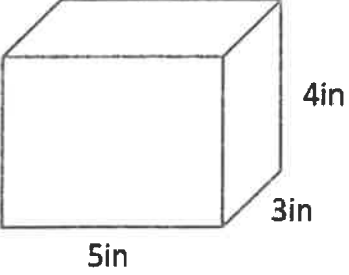
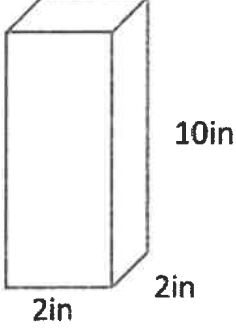
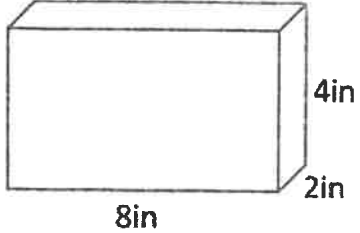
Name _____

Date _____



FIND THE VOLUME 2 (STANDARD)

Find the volume of these rectangular prisms. They are not to scale!

 <p>2in 2in 2in</p>	 <p>6in 2in 2in</p>	 <p>8in 2in 1in</p>
Volume = _____	Volume = _____	Volume = _____
 <p>7in 2in 2in</p>	 <p>3in 3in 3in</p>	 <p>5in 3in 3in</p>
Volume = _____	Volume = _____	Volume = _____
 <p>4in 5in 3in</p>	 <p>10in 2in 2in</p>	 <p>4in 8in 2in</p>
Volume = _____	Volume = _____	Volume = _____

Center Activity 5.44 ★

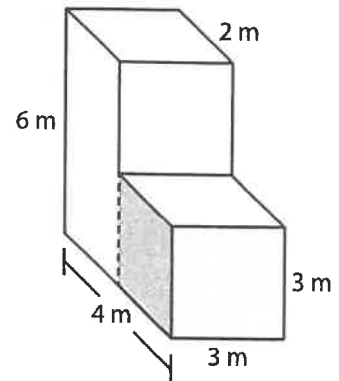
Volume of Composite Figures

What You Need

- a colored pencil in one color
- a colored pencil in a different color
- Recording Sheet

Check Understanding

The composite figure below is broken into two rectangular prisms. Find the total volume.



What You Do

1. Start with Composite Figure 1 on the **Recording Sheet**.
2. Partner A tells a way to break the figure into two rectangular prisms. Partner B tells another way.
3. Check and correct each other's work. Partner A draws a dashed line on the figure on the left. Partner B draws a different correct dashed line on the figure on the right.
4. Both partners find the volume of the composite figure using the two prisms they made.
5. Compare your work. If the answers are different, work together to find the correct volume.
6. Repeat for Composite Figure 2.

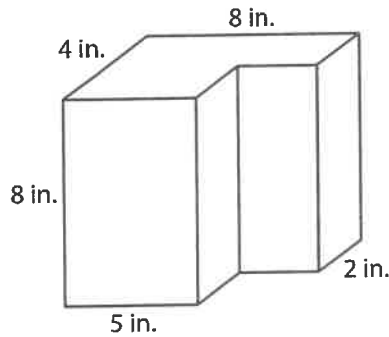
Go Further!

Discuss the two ways both figures were broken apart. Was one way easier? Why or why not?

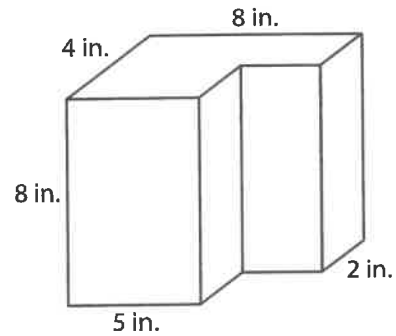


Volume of Composite Figures

Composite Figure 1

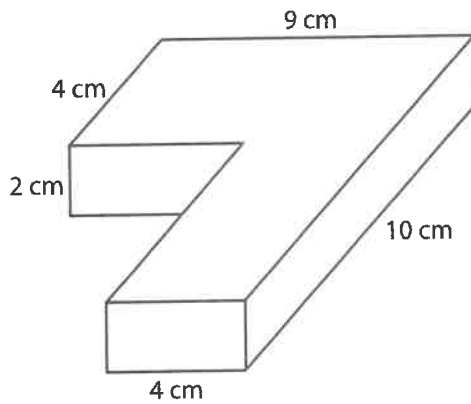


Volume = _____ cubic _____

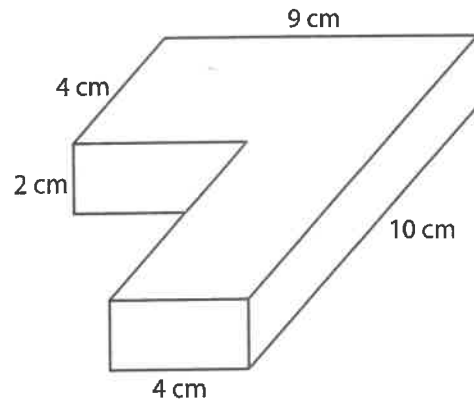


Volume = _____ cubic _____

Composite Figure 2

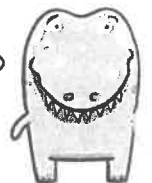


Volume = _____ cubic _____



Volume = _____ cubic _____

I can find the volume of these composite figures by breaking them apart into rectangular prisms. There may be more than one way to break apart the composite figures.



Center Activity 5.44 ★★

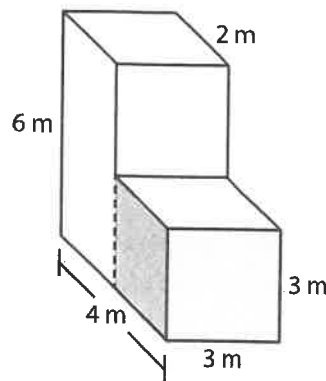
Volume of Composite Figures

What You Need

- a colored pencil in one color
- a colored pencil in a different color
- Recording Sheet

Check Understanding

Find the volume of the composite figure by breaking the figure apart into two rectangular prisms.



What You Do

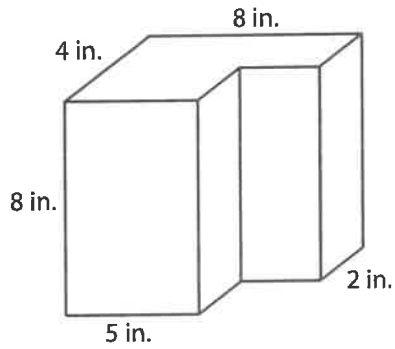
1. Take turns. Partner A chooses a composite figure on the **Recording Sheet**.
2. Partner A draws a dashed line on the composite figure to form two rectangular prisms.
3. Both partners find the volume of the composite figure using the two prisms made.
4. Compare your answers. If the answers are different, work together to find the correct volume.
5. Repeat for all the figures on the **Recording Sheet**.

Go Further!

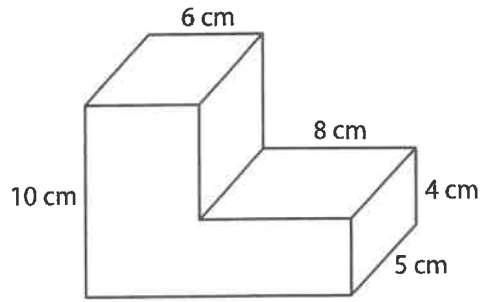
Choose a composite figure from the **Recording Sheet**. Find the volume by breaking the figure apart in a different way. Compare this volume to the volume shown on the **Recording Sheet**.



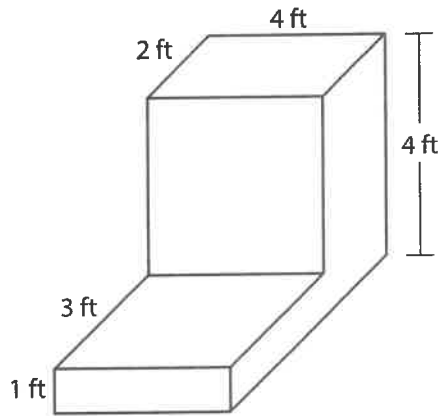
Volume of Composite Figures



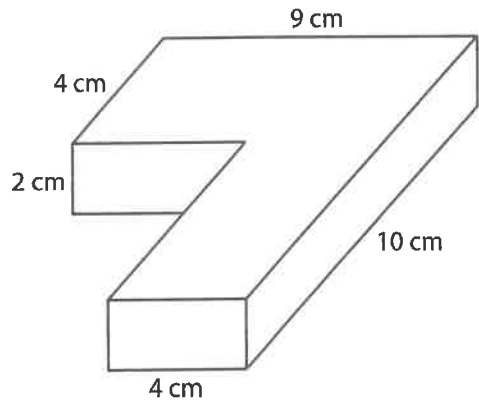
Volume = _____



Volume = _____

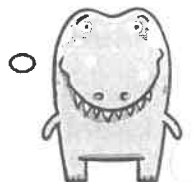


Volume = _____



Volume = _____

I can find the volume of these composite figures by breaking them apart into rectangular prisms. There may be more than one way to break apart the composite figures.



Center Activity 5.44 ★★★

Volume of Composite Figures

What You Need

- a colored pencil in one color
- a colored pencil in a different color
- Recording Sheet

Check Understanding

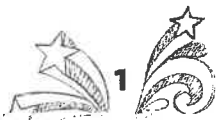
Sketch a composite figure made of two rectangular prisms. Label the dimensions. Show two ways to find the volume of the figure.

What You Do

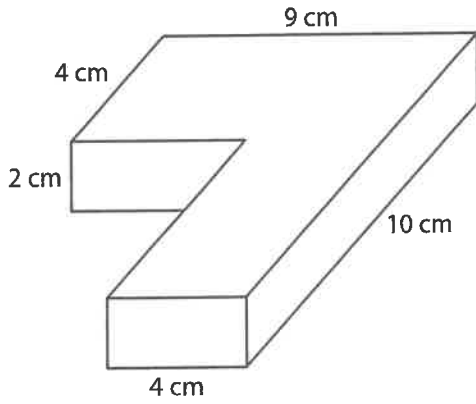
1. Take turns. Partner A chooses a composite figure on the **Recording Sheet**.
2. Partner A draws one or two dashed lines on the composite figure to form two or three rectangular prisms.
3. Both partners find the volume of the composite figure using the prisms made.
4. Compare your answers. If the answers are different, work together to find the correct volume.
5. Repeat for all the figures on the **Recording Sheet**.

Go Further!

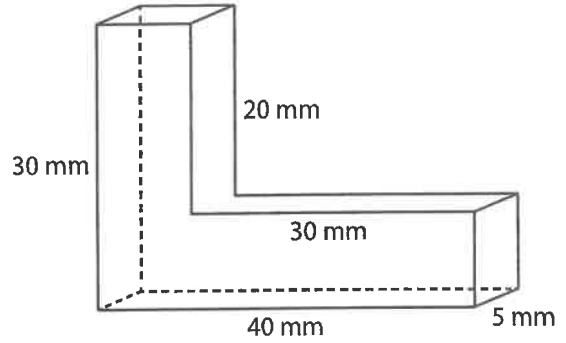
Work with your partner. Look at the first figure on the second row of the **Recording Sheet**. Think of it as a large prism with a small prism cut out of it. Find the volume of the large rectangular prism and subtract the area of a smaller one. Compare your answer to the volume you found earlier.



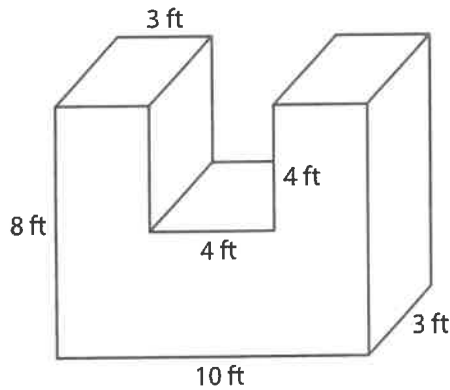
Volume of Composite Figures



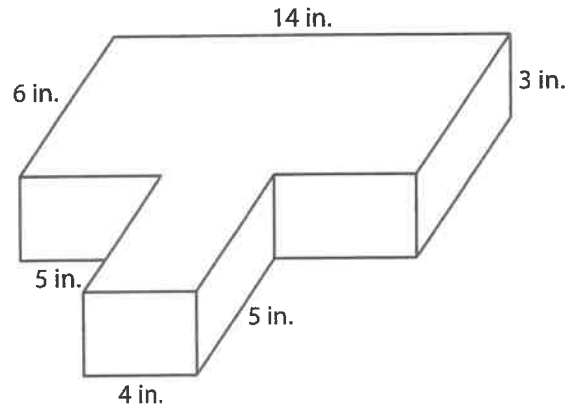
Volume = _____



Volume = _____



Volume = _____



Volume = _____

I can find the volume of these composite figures by breaking them apart into rectangular prisms. There may be more than one way to break apart the composite figures.

