## **Volumes of Solids**

- 7.1 Volumes of Prisms
- 7.2 Volumes of Cylinders
- **7.3 Volumes of Pyramids**
- 7.4 Volumes of Cones
- 7.5 Volumes of Composite Solids
- 7.6 Surface Areas and Volumes of Similar Solids



"I petitioned my owner for a dog house with greater volume."



"And this is what he built for me."





## Finding Measures in Similar Figures

**Example 2** The two triangles are similar. Find the value of x.



Write a proportion. Use Cross Products Property. Divide each side by 17.5.

So, x is 7 centimeters.

## Try It Yourself

- **1.** Construct two more rectangles that are similar to Rectangle A in Example 1.
- **2.** Find the value of *y* in Example 2.