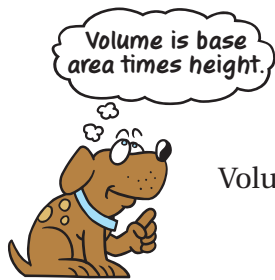


Volume of a Cylinder

Name _____

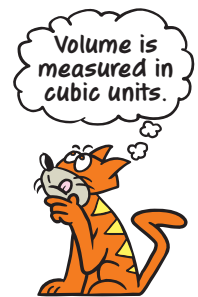
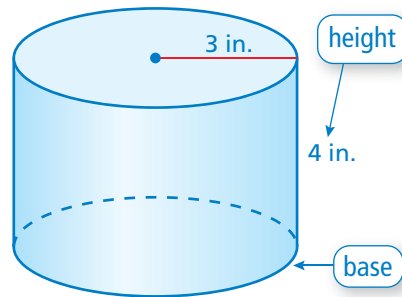
Key Concept and Vocabulary



base area height

$$\text{Volume} \approx (3.14 \times 3^2) \times 4$$

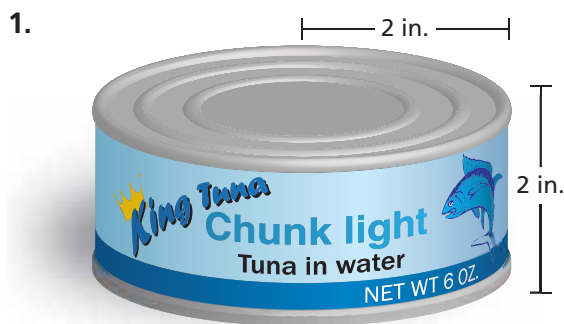
$$= 113.04 \text{ in.}^3$$



PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

Find the volume of the cylinder. Include the units in your answer.

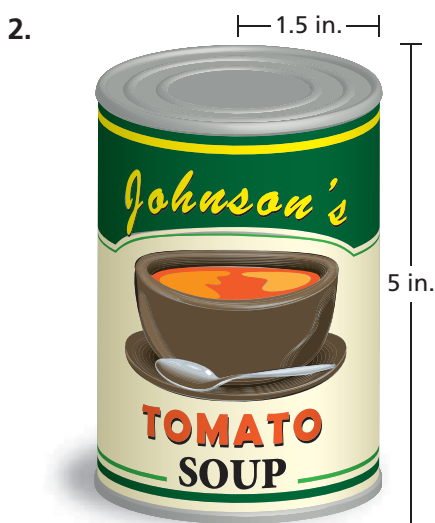


Base area $\approx 3.14 \times 2^2$

$= 12.56$

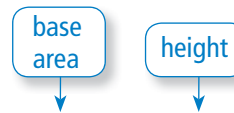


Volume $= 12.56 \times 2 = 25.12 \text{ in.}^3$



Base area $\approx 3.14 \times 1.5^2$

$= 7.065$



Volume $= 7.065 \times 5 = 35.325 \text{ in.}^3$

3. Circle the can that has the greater volume.

