$\qquad$


## Visual Model


$1 \mathrm{in} . \approx 3 \mathrm{~cm}$

## Skill Examples

1. $7 \mathrm{~m} \approx 7 \mathrm{~m} \cdot \frac{3 \mathrm{ft}}{1 \mathrm{mt}}=21 \mathrm{ft}$
2. $20 \mathrm{~L} \approx 20 \mathrm{Y} \cdot \frac{1 \mathrm{gal}}{4 \nvdash}=5 \mathrm{gal}$
3. $8 \mathrm{oz} \approx 8 \mathrm{OZ} \cdot \frac{30 \mathrm{~g}}{1 \mathrm{OZ}}=240 \mathrm{~g}$
4. $2 \mathrm{c} \approx 2 \not \subset \cdot \frac{200 \mathrm{~mL}}{1 \not \ell}=400 \mathrm{~mL}$

## Application Example

5. A person is 63 inches tall. How many centimeters is that?

$$
\begin{aligned}
63 \mathrm{in} . & \approx 63 \mathrm{in} . \cdot \frac{3 \mathrm{~cm}}{1 \mathrm{in.}} \\
& =189 \mathrm{~cm}
\end{aligned}
$$

$\therefore$ The height of the person is about 189 centimeters.

## PRACTICE MAKES PURR-FECT ${ }^{\text {m }}$

## Complete the unit conversion.

6. $26 \mathrm{mi} \approx$ $\qquad$ km
7. $150 \mathrm{~g} \approx$ $\qquad$ oz
8. $2 \mathrm{~L} \approx$ $\qquad$ qt
9. $70 \mathrm{lb} \approx$ $\qquad$ kg
10. $12 \mathrm{ft} \approx$ $\qquad$ m
11. $16 \mathrm{~km} \approx$ $\qquad$ mi
12. $36 \mathrm{~cm} \approx$ $\qquad$ in.
13. $7 \mathrm{gal} \approx$ $\qquad$ L
14. $9 \mathrm{qt} \approx$ $\qquad$ L
15. $800 \mathrm{~mL} \approx$ $\qquad$ c
16. $5 \mathrm{gal} \approx \underline{20,000} \mathrm{~cm}^{3}$
17. $12 \mathrm{~m}^{3} \approx 3600 \mathrm{gal}$
18. WEIGHT How much does the wolf weigh in pounds? about 66 pounds


Weight: 33 kg
19. SPEED A hummingbird flies at a speed of 33 feet per second. What is the speed of the hummingbird in meters per second? about 11 meters per second


