



Check Up

1. Use the proportion strategy to complete the following conversions.

a. 45 L = _____ mL

b. 2100 dag = _____ hg



Compare your answers.

1. Use the proportion strategy to complete the following conversions.

a. 45 L = _____ mL

$$\begin{aligned}\frac{x}{45 \text{ L}} &= \frac{1000 \text{ mL}}{1 \text{ L}} \\ \frac{x}{45 \text{ L}} \cdot 45 \text{ L} &= \frac{1000 \text{ mL}}{1 \text{ L}} \cdot 45 \text{ L} \\ \frac{x}{\cancel{45 \text{ L}}} \cdot \cancel{45 \text{ L}} &= \frac{1000 \text{ mL}}{1 \cancel{\text{L}}} \cdot 45 \cancel{\text{L}} \\ x &= 45000 \text{ mL}\end{aligned}$$

b. 2100 dag = _____ hg

$$\begin{aligned}\frac{x}{2100 \text{ dag}} &= \frac{0.01 \text{ hg}}{0.1 \text{ dag}} \\ \frac{x}{2100 \text{ dag}} \cdot 2100 \text{ dag} &= \frac{0.01 \text{ hg}}{0.1 \text{ dag}} \cdot 2100 \text{ dag} \\ \frac{x}{\cancel{2100 \text{ dag}}} \cdot \cancel{2100 \text{ dag}} &= \frac{0.01 \text{ hg}}{0.1 \cancel{\text{dag}}} \cdot 2100 \cancel{\text{dag}} \\ x &= 210 \text{ hg}\end{aligned}$$