



Check Up

1.
 - a. Write a conversion ratio for seconds and minutes.
 - b. Use a proportion to convert 95 minutes into seconds.



Compare your answers.

1. a. Write a conversion ratio for seconds and minutes.

$$1 \text{ min} = 60 \text{ s or } \frac{1 \text{ min}}{60 \text{ s}} = 1 \text{ or } \frac{60 \text{ s}}{1 \text{ min}} = 1$$

- b. Use a proportion to convert 95 minutes into seconds.

$$\begin{aligned}\frac{x}{95 \text{ min}} &= \frac{60 \text{ s}}{1 \text{ min}} \\ \frac{x}{\cancel{95 \text{ min}}} \cdot \cancel{95 \text{ min}} &= \frac{60 \text{ s}}{\cancel{1 \text{ min}}} \cdot \cancel{95 \text{ min}} \\ x &= 5700 \text{ s}\end{aligned}$$