

Evaluating Formulas

Name _____

Key Concept and Vocabulary

Distance equals
rate times time.



distance

$$d = r \cdot t$$

rate

time

$$\text{Rate} = 60 \text{ mi/h}$$

$$\text{Time} = 2 \text{ h}$$

rate time

$$\begin{aligned} \text{Distance} &= 60 \frac{\text{mi}}{\cancel{\text{h}}} \cdot 2 \cancel{\text{h}} \\ &= 120 \text{ mi} \end{aligned}$$

The rate of
a car is its
speed.



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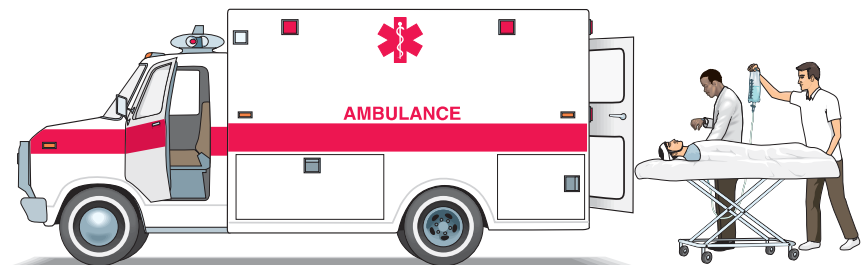
Check your answers at BigIdeasMath.com.

1. **AMBULANCE** The ambulance driver needs to drive 5 miles in 5 minutes. How fast should the driver drive?

$$5 \text{ min} = \frac{\square}{60} \text{ h}$$

rate time

$$5 \text{ mi} = \square \frac{\text{mi}}{\text{h}} \cdot \frac{\square}{60} \text{ h}$$



2. **FIRE TRUCK** The firefighter needs to drive 3 miles in 3 minutes. How fast should the firefighter drive?

$$3 \text{ min} = \frac{\square}{60} \text{ h}$$

rate time

$$3 \text{ mi} = \square \frac{\text{mi}}{\text{h}} \cdot \frac{\square}{60} \text{ h}$$

