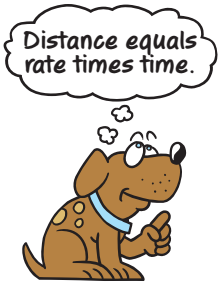
Evaluating Formulas

Name _____

Key Concept and Vocabulary



distance

$d = r \cdot t$

rate time

Rate = 60 mi/h
Time = 2 h

rate time

Distance $= 60 \frac{\text{mi}}{\text{h}} \cdot 2\,\text{h}$

$= 120$ mi

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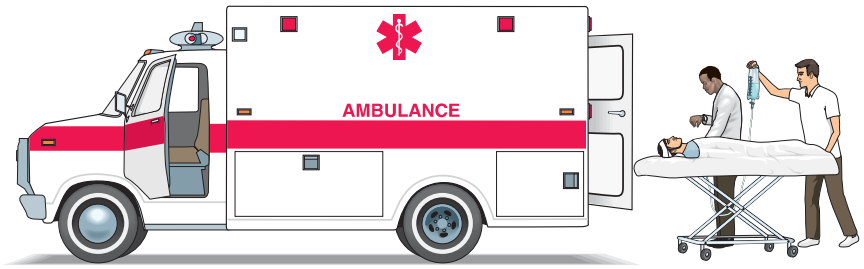
Check your answers at BigIdeasMath.com.

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

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

rate time

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



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

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

rate time

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