Speed problems

How long would it take to travel 120 mi at 8 mph?
(Time = Distance ÷ Speed)

15 hours

$$8\overline{)120} \quad 15$$

If a bus takes 3 hours to travel 150 mi, how fast is it going?
(Speed = Distance ÷ Time)

50 mph

$$3\overline{)150} \quad 50$$

If a car travels at 60 mph for 2 hours, how far has it gone?
(Distance = Speed x Time)

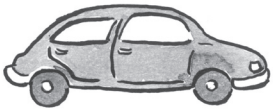
120 mi

$$\begin{array}{r} 60 \\ \times\ 2 \\ \hline 120 \end{array}$$

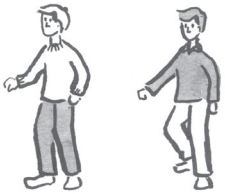
If a man walks for 6 miles at a steady speed of 3 mph, how long will it take him?

A truck driver travels 120 mi in 3 hours. If he drove at a steady speed how fast was he going?

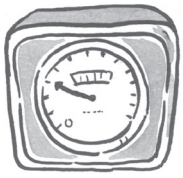
A car travels at a steady speed of 40 mph. How far will it travel in 4 hours?



Shane walks 10 mi at 4 mph. Damien walks 12 mi at 5 mph. Which of them will take the longest?



Courtney drives for 30 minutes at 50 mph and for 1 hour at 40 mph. How far has he traveled altogether?



A racing car travels 340 mi in 120 minutes. What speed is it traveling at?

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If a car travels at 60 mph for 2 hours, how far has it gone?
(Distance = Speed x Time)

120 mi

$$60 \times 2 = 120$$

If a man walks for 6 miles at a steady speed of 3 mph, how long will it take him?

2 hours

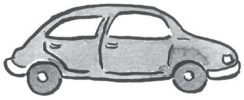
$$\frac{6}{3} = 2$$

A truck driver travels 120 mi in 3 hours. If he drove at a steady speed how fast was he going?

40 mph

$$3\overline{)120}\quad 40$$

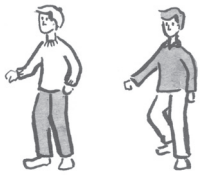
A car travels at a steady speed of 40 mph. How far will it travel in 4 hours?



160 mi

$$40 \times 4 = 160$$

Shane walks 10 mi at 4 mph. Damien walks 12 mi at 5 mph. Which of them will take the longest?



Shane

Shane $4\overline{)10}\quad 2\frac{2}{4} = 2\frac{1}{2}$

Damien $5\overline{)12}\quad 2\frac{2}{5}$

$2\frac{1}{2} > 2\frac{2}{5}$

Courtney drives for 30 minutes at 50 mph and for 1 hour at 40 mph. How far has he traveled altogether?

65 miles

30 min = $\frac{1}{2}$ h

$2\overline{)50}\quad 25$

25 + 40 = 65

A racing car travels 340 mi in 120 minutes. What speed is it traveling at?

170 mph

120 min = 2 h

$2\overline{)340}\quad 170$

If children experience difficulty on this page, ask them what they need to find – speed, distance or time – and refer them to the necessary formula. Encourage them to develop simple examples that will help them to remember the formulas.