



## Speed problems

How long will it take a bike rider to travel 30 mi at a constant speed of 9 miles per hour?

4 hours

$$\begin{array}{r} 9 \overline{)30} \\ \underline{27} \phantom{0} \\ 30 \phantom{0} \\ \underline{27} \phantom{0} \\ 30 \phantom{0} \\ \underline{27} \phantom{0} \\ 30 \phantom{0} \\ \underline{27} \phantom{0} \\ 30 \phantom{0} \end{array}$$

Time = Distance ÷ Speed

If a car traveled 150 mi at a constant speed in 3 hours, at what speed was it traveling?

50 mph

$$\begin{array}{r} 50 \overline{)150} \\ \underline{100} \phantom{0} \\ 50 \phantom{0} \end{array}$$

Speed = Distance ÷ Time

If a bus travels for 3 hours at 40 mph, how far does it travel?

$$3 \times 40 = 120 \text{ mi}$$

Distance = Speed × Time

A car travels along a road at a steady speed of 60 mph. How far will it travel in 4 hours?



A train covers a distance of 450 mi in 3 hours. If it travels at a constant speed, how fast is it traveling?

John walks at a steady speed of 3 mph. How long will it take him to travel 24 miles?



A car travels at a constant speed of 65 mph. How far will it have traveled in 4 hours?

McLaren completes a long distance run at an average speed of 8 mph. If it takes her 3 hours, how far did she run?

David cycles 30 mi to his grandmother's house at a steady speed of 10 mph. If she lives 120 mi away, how many times will she arrive?

