



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

$$\begin{array}{r} 9 \overline{)30} \\ \underline{27} \\ 30 \\ \underline{27} \\ 30 \\ \underline{27} \\ 30 \\ \underline{27} \\ 30 \\ \underline{27} \\ 30 \end{array}$$
$$\text{Time} = \text{Distance} \div \text{Speed}$$

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

50 mph

$$\begin{array}{r} 5 \overline{)150} \\ \underline{10} \\ 50 \\ \underline{50} \\ 0 \end{array}$$
$$\text{Speed} = \text{Distance} \div \text{Time}$$

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

$$3 \times 40 = \underline{120 \text{ mi}}$$
$$\text{Distance} = \text{Speed} \times \text{Time}$$

A car travels along a road at a steady speed of 60 mph. How far will it travel in 6 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 200 mi, what time will she arrive?

