



Speed problems

How long will it take a bike rider to travel 36 mi at a constant speed of 9 miles per hour?

4 hours

$$D = 36$$
$$S = 9$$
$$T = D \div S = 36 \div 9 = 4$$

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

50 mph

$$D = 150$$
$$T = 3$$
$$S = D \div T = 150 \div 3 = 50$$

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

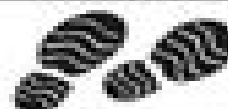
$$D = 40 \times 3 = 120 \text{ mi}$$
$$D = S \times T$$

A car travels along a road at a steady speed of 60 mph. How far will it travel in 8 hours?



A train covers a distance of 480 mi in 8 hours. If it travels at a constant speed, how fast is it traveling?

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



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

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

Sarah cycles 30 mi to her grandmother's house at a steady speed of 10 mph. If she leaves home at 2:00 p.m., what time will she arrive?

