



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

$$9 \overline{)36}$$

$$\text{Time} = \text{Distance} \div \text{Speed}$$

If a car traveled 150 mi at a constant speed in 5 hours, at what speed was it traveling?

30 mph

$$5 \overline{)150}$$

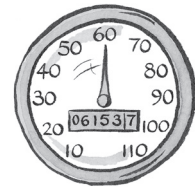
$$\text{Speed} = \text{Distance} \div \text{Time}$$

If a bus travels for 5 hours at 40 mph, how far does it travel?

$$5 \times 40 = 200 \text{ mi}$$

$$\text{Distance} = \text{Speed} \times \text{Time}$$

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 480 mi in 8 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?

Melanie completes a long distance run at an average speed of 6 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?





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30 mph

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$$\text{Speed} = \text{Distance} \div \text{Time}$$

If a bus travels for 5 hours at 40 mph, how far does it travel?

$$5 \times 40 = 200 \text{ mi}$$

$$\text{Distance} = \text{Speed} \times \text{Time}$$

A car travels along a road at a steady speed of 60 mph. How far will it travel in 6 hours?

$$60 \times 6 = 360$$

360 mi



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

$$\begin{array}{r} 60 \\ 8 \overline{)480} \end{array}$$

60 mph

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

$$\begin{array}{r} 8 \\ 3 \overline{)24} \end{array}$$

8 hours



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

$$65 \times 4 = 260$$

260 mi

Melanie completes a long distance run at an average speed of 6 mph. If it takes her 3 hours, how far did she run?

$$6 \times 3 = 18$$

18 mi

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?



$$\begin{array}{r} 3 \\ 10 \overline{)30} \end{array}$$

$$2 + 3 = 5$$

5:00 P.M.

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