

### Speed Worksheet

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Solve for the equations below using the average speed formula.

Ex: average speed=distance traveled/time to travel distance or

$$\bar{v} = d/t$$

Given:  $d = 40 \text{ m}$  and  $t = 2.0 \text{ s}$  (The bike travels 40 m in 2 s.)

$$\bar{v} = d/t = 40 \text{ m} / 2.0 \text{ s} = 20 \text{ m/s}$$

The car drove 8 miles in 12 minutes. What was the cars average speed?

Carol walked at an average speed of 5 miles an hour for 10 minutes. How far did she walk?

Steve pulled his wagon 3 kilometers to his house. He got to his house in 2 hours. What was his average speed?

If the speed limit is 55 mph and the car drove for 2 hours at ten miles over the speed limit, how far did the car get?