

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### Speed Practice Problems

#### Easy

1. A pitcher throws his fastball a distance of 127 feet in a total of 0.96 seconds. What was the speed, in feet per second, of his pitch? (in ft/sec)
2. The Daytona International Speedway track is 2.5 miles long for one lap. One driver boasts that he completed a lap in 0.0125 hours. What was his average speed if this is true? (in mi/h)
3. The Tour de France cycling race in 2010 had a total distance of 3596 km. The riders took about 90 hours of riding to complete this course. (Don't worry; they split it up into stages over 20 days.) What would a rider's average speed be? (in km/h)
4. Mike spends 3.5 minutes to walk up and down the hallway twice, around the hub once, and takes breaks during his stroll to chat. He walks a total distance of 500 feet. How many feet per minute did Mike walk?

#### Little Harder

5. A football player kicks a field goal at a speed of 15 mi/h. The football took 2 seconds to reach the goal from being kicked. How far back was the player when the ball was kicked?
6. The same football player made another field goal later in the game. He kicked the ball at a speed of 29.2 feet per second. The football also took 2 seconds to reach the goal. How many **yards** back was this player when the ball was kicked?

#### Hard

7. A professional bowler hurls the ball at the pins. His ball takes a trip of 60 feet and travels at 34.3 feet per second. How long did it take the ball to reach the pins?
8. A car travels at 70 miles per hour. How many feet per second is that?