

Name _____ Date _____ Period _____

Speed

1. What is the speed of a skater who travels a distance of 210 m in a time of 10 seconds?
2. What is the speed in km/min of a skater who travels a distance of 210 m in a time of 30 seconds?
3. How far can a person run in 10 minutes at a speed of 260 m/min?
4. How far can a person run in .25 hr at a speed of 240 m/min?
5. A bus traveled at a constant speed of 80 km/h. How long did it take the bus to travel 40 km?
6. A bus traveled at a constant speed of 80 km/h. How long did it take the bus to travel 400 m?
7. Metal stakes are sometimes placed in glaciers to help measure a glacier's movement. For several days in 1936, Alaska's Black Rapids glacier surged as swiftly as 89 m per day down the valley. Find the glacier's velocity in meters per second (be sure to include the direction of motion).
8. Find the velocity in meters per second of a swimmer who swims exactly 110 m toward the shore in 72 s.

9. A baseball is pitched with a speed of 35 m/s. How long does it take the ball to travel 18.4 m from the pitcher's mound to home plate?

10. Find the velocity in meters per second of a baseball thrown 38 m from third base to first base in 1.7 s.

11. Calculate the distance in meters a cyclist would travel in 5 hours at an average velocity of 12 km/h to the southwest.

12. Calculate the time in seconds an Olympic skier would take to finish a 2.6 km race at an average velocity of 28 m/s downhill.

13. What is the speed in kilometers per hour of a train that travels 3701 km in 87 hours?

14. What is the velocity in meters per second of a sailboat that travels 149 m away from the shore in 16.8 s?

15. Toma runs 400 m at a velocity of 7.5 m/s. How long does it take her to complete the 400 meters?

16. A year 2000 corvette, driven by Lynda, travels at 29 m/s for 20 minutes. How far does she travel (convert minutes to seconds)?