

Name: _____ Date: _____ Block: _____

Speed and Velocity Practice Worksheet

1. Megan rolls a ball down a ramp until the ball hits the wall. The ramp is 2.5 m long and the distance from the end of the ramp to the wall is 1.5 m. If it took 0.5 seconds for the ball to hit the wall then what is the ball's speed?

Solving for	Equation
Substitute (work)	Answer w/ units

2. How much time does it take a person to walk 12 km north at a velocity of 6.5 km/h?

Solving for	Equation
Substitute (work)	Answer w/ units

3. A car traveled 1425 km from El Paso, TX to Dallas, TX in 12.5 hours. What was the car's average speed?

Solving for	Equation
Substitute (work)	Answer w/ units

4. If an airplane travels a distance of 500 km in 5 hours, what is its average speed?

Solving for	Equation
Substitute (work)	Answer w/ units

5. A boat is traveling a distance of 90 km at a speed of 30 km/s, how long will it take to reach its destination?

Solving for	Equation
Substitute (work)	Answer w/ units

6. An arrow is moving at 35 m/s and travels for 5 seconds. How far did the arrow travel?

Solving for	Equation
Substitute (work)	Answer w/ units

7. How far will a bus travel if it averages a speed of 65 km/h for 7 hours?

Solving for	Equation
Substitute (work)	Answer w/ units

8. What is the velocity of a car that traveled total of 75 km north in 1.5 hours?

Solving for	Equation
Substitute (work)	Answer w/ units

9. What is the velocity of a plane that traveled 3000 km west from New York to California in 5 hours?

Solving for	Equation
Substitute (work)	Answer w/ units

10. John took 0.75 hours to bicycle to his grandmother's house, a distance of 4 km. What is his velocity?

Solving for	Equation
Substitute (work)	Answer w/ units

11. If took 3.5 hours for a train to travel the distance between two cities at a velocity of 120 km/h. How far did the train travel between the two cities?

Solving for	Equation
Substitute (work)	Answer w/ units

12. How long would it take for a car to travel a distance of 200 km if it is traveling at a velocity of 55 km/h?

Solving for	Equation
Substitute (work)	Answer w/ units

13. A car is traveling at 100 km/h. How many hours will it take to cover a distance of 750 km?

Solving for	Equation
Substitute (work)	Answer w/ units

14. A plane traveled for about 2.5 hours at a velocity of 1200 km/h north. What is the distance it traveled?

Solving for	Equation
Substitute (work)	Answer w/ units

15. A girl is pedaling her bicycle at a velocity of 0.05 km/h east. How far will she travel in 2 hours?

Solving for	Equation
Substitute (work)	Answer w/ units