**Speed and Velocity Worksheet Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Answer the questions using the following formulas: (Don’t forget units for each answer)**

**s = d/t v = d/t**

1.) If Paul throws a football 50 meters in 3 seconds, what is the average speed of the football?

Formula:

Plug in numbers:

Answer:

2.) If it takes Cassie 3 seconds to run from the batter’s box to first base at an average velocity of 6.5 meters per second, what is the displacement that she covers in that time?

Formula:

Plug in numbers:

Answer:

3.) Steve ran 5000 meters from a swarm of bees at an average speed of 6 m/s before he dove into a pond. How long did he run?

Formula:

Plug in numbers:

Answer:

4.) Sharon rode her bike for 18 miles to the north in 3 hours. What is her average velocity?

Formula:

Plug in numbers:

Answer:

5.) The Frisbee was thrown at a speed of 8 m/s and it was in the air for 10 seconds. How far did the Frisbee travel?

Formula:

Plug in numbers:

Answer:

6.) The dog ran for a length of 12 meters at a speed of 4 m/s. How many seconds was the dog running?

Formula:

Plug in numbers:

Answer:

7.) I rode my bike to school today. I rode a distance of 8 miles at a speed of 9m/s. How long did it take me (in minutes) to get to Pope? (1 mile = 1609 meters)  
Hint: MUST HAVE LIKE UNITS

Formula:

Plug in numbers:

Answer:

8.) The table shows data of sprinting speeds of some animals. Complete the table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Animal** | **Distance** | **Time** | **Speed** |
| **Cheetah** | 75 m | 3 s |  |
| **Greyhound** | 160 m | 10 s |  |
| **Gazelle** | 1 km |  | 100 km/hr |
| **Turtle** |  | 30 s | 1 cm/s |