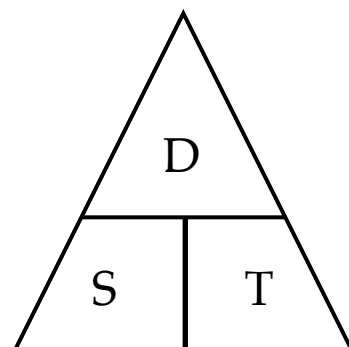# Speed Problem Worksheet

Directions: Solve the following speed problems. Use the triangle to help solve the problems. Show all your work. Circle your answer.

1.   Calculate the speed for a car that went a distance of 125 kilometers in 2 hours time.

2.   A baseball is thrown a distance of 20 meters. What is its speed if it takes 0.5 seconds to cover the distance?

3.   How much time does it take for a bird flying at a speed of 45 kilometers per hour to travel a distance of 1,800 kilometers?

4.   A comet is cruising through the solar system at a speed of 50,000 kilometers per hour for 4 hours time. What is the total distance traveled by the comet during this time?

5.   If Steve throws the football 50 meters in 3 seconds, what is the average speed (velocity) of the football?

6.   If it takes Ashley 3 seconds to run from the batters box to first base at an average speed (velocity) of 6.5 meters per second, what is the distance she covers in that time?

7.   Bart ran 5000 meters from the cops and an average speed (velocity) of 6 meters/ second before he got caught. How long did he run?

8.   If Justin races his Chevy S-10 down Highway 37 for 2560 meters in 60 seconds, what is his average speed (velocity)?

9.   Mike rides his motorcycle at an average speed (velocity) of 20 meters/second for 500 seconds, how far did he ride?

10. Sarah backstrokes at an average speed of 8 meters per second, how long will it take her to complete the race of 200 meters length?

11. Lauren's SUV was detected exceeding the posted speed limit of 60 kilometers per hour, how many kilometers per hour would she have been traveling over the limit if she had covered the a distance of 10 kilometers in 5 minutes?

12. Tina's calculations of the tarantula found that the spider was able to cover 20 centimeters in 5 seconds, what was the average speed of the spider?

13. A coach wants to find out the speed of the runners on a track team. Tell what simple equipment the coach needs in order to do this and explain how it should be done.
Equipment needed:

What should be done: