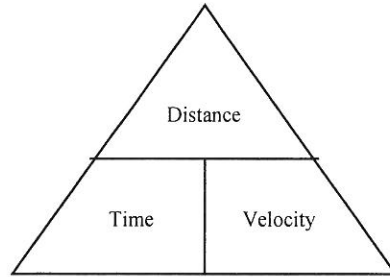


Speed Practice

Name _____



$$\mathbf{Distance} = \text{Time} \times \text{Velocity}$$

$$\mathbf{Time} = \text{Distance} / \text{Velocity}$$

$$\mathbf{Velocity} = \text{Distance} / \text{Time}$$

1. If Steve throws the football 50 meters in 3 seconds, what is the speed of the football?
2. If it takes Ashley 3 seconds to run from the batter's box to first base at an speed of 6.5 meters per second, what is the distance she covers in that time?
3. If Justin races his Chevy S-10 down Highway 9 for 2560 meters in 60 seconds, what is his speed (velocity)?
4. Mike rides his motorcycle at a speed of 20 meters/second for 500 seconds, how far did he ride?
5. Sarah backstrokes at a speed of 8 meters per second, how long will it take her to complete the 200 meter?
6. 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?

7. Tina's calculations of the tarantula found that the spider was able to cover 20 centimeters in 5 seconds, what was the speed of the spider?
8. What is the speed of a car that travels 150 km in 3.00 hrs? Is the car speeding on 84th St.? (1.0 m/s = 2.23 mi/hr)
9. What distance will a car traveling 65 km/hr travel in 3.0 hrs?
10. What distance will be traveled if you are going 120km/hr for 30 min?
11. How long will it take to go 150 km traveling at 50 km/hr?
12. How long will it take to travel 200 km traveling 10 m/s?
13. If a rocket travels 5600 km in 3.00 hours, what is its speed?
14. A car travels 240 km in 2.0 hrs and a sprinter travels a 100 m in 9.5 s. Which is traveling faster and by how much?