

Calculate the velocity of a dog running West through a field if he is covering 23.7 meters in 54 seconds.

If an athlete runs south for a distance of 347 meters in 134 seconds what is her velocity?

What is the speed of a baseball that travels 49 meters in 2.4 seconds? What is the baseball's velocity?

What is the speed of a horse in meters per second that runs a distance east of 1.2 miles in 2.4 minutes?

Calculate the velocity of a car that travels 556 kilometers northeast in 3.4 hours. Leave your answer in kilometers per hour.

If the distance covered by a jogger is 2,541 meters northwest through the park and the time it took to cover that distance was 43.6 minutes, what was the speed of the jogger?

Which object has a greater velocity, a ball rolling down a 3.4 meter hill in six seconds or a fish swimming upstream and covering 5.4 meters in 0.4 minutes?

If Seneca decides to walk northeast across town to a store that is .95 kilometers away and she has only 25 minutes to get there, what velocity does she need to maintain to arrive on time?

If a projectile flies north 387 meters in 5.8 seconds, what is its velocity?

Calculate the velocity of a mountain climber if that climber is moving northeast at a pace of 1.6 km in 1.4 hours?

Batman's bat mobile is travelling at 80m/s when it comes to a screeching halt in 7 seconds because of a moose crossing the road. What is the car's acceleration?

What is the speed of a truck that travels 10 km in 10 minutes?

What distance is traveled by a police car that moves at a constant speed of 1.5 km/minute for 5.0 minutes?

What distance would be covered in 10 minutes by a train that travels at a constant speed of 500 meters every 10 seconds?

What is the average velocity of a commercial jet that travels from New York to Los Angeles (4800 km) in 6.00 hours?

A car is traveling at an average speed of 70 m/s. How many km would the car travel in 6.5 hours?

* A rabbit and a turtle are practicing for their big race. The rabbit covers a 30 m practice course in 5.0 seconds, the turtle covers the same distance in 120 seconds. If the actual race is run on a 96 m course, by how many seconds will the rabbit beat the turtle?

* A tsunami caused by an earthquake occurring in Alaska in 1946 consisted of several huge waves which were found to travel at the average speed of 790 km/hr. The first of the waves reached Hawaii 4 hours 34 minutes after the earthquake occurred. From this data, calculate how far the origin of the tsunami was from Hawaii.

* Two cyclist race with nearly uniform speed on a 500. m course. The blue bicycle crosses the finish line 2.0 s ahead of the red bicycle. If the red bicycle maintained an average speed of 10. m/s, what was the average speed of the blue bicycle?

A car travels at 30m/s and the driver sees a stoplight turn green 35m ahead. If the driver immediately steps on the brake, what is the minimum acceleration needed from the brakes to stop in time.