

Name _____

What's My Velocity?

Today we are going to determine rates of speed and velocity.

Procedure

1. Have a partner time your walk. He or she should stand at the finish line, tell you when to start walking and stop the stopwatch as you cross the end line.
2. Each person should walk three times at the same pace to make sure there wasn't a mistake with the stopwatch. It is important to try and walk at the same pace all three times.
3. If one time is far off from the others, redo the trial.
4. Fill the times in the chart.
5. Divide the distance of the course by your time for each trial and determine each individual velocity.
6. Take the average of all three velocities.

	Trial 1	Trial 2	Trial 3
Time for trip (seconds)			
Displacement for trip (meters)	10.0 m	10.0 m	10.0 m
Velocity of trip			

Average velocity: _____

Round Trip

1. Have your partner time you as you walk. Walk from one end of the course to the other, turn around and walk back again. Time of trip: _____
2. What was the distance that you walked? _____
3. What was your displacement? _____
4. What was your speed? _____
5. What was your velocity? _____