

VEL.B - Speed & Velocity

⚠ This is a preview of the draft version of the quiz

Started: Aug 19 at 11:28am

Quiz Instructions

Type in the magnitude of the velocity only, no direction or units needed.

Report speeds and velocities with the units provided. For example, if you are given km as distance and hours as time, report speed in km/hour.

Round to the hundredths place.

If the displacement is not given, assume distance is the same as displacement.

Question 1

1 pts

One car travels 40 meters due east in 5 seconds, and a second car travels 64 meters due west in 8 seconds. During their periods of travel, the cars definitely had the same

- average speed
- change in time
- average velocity
- total displacement

Question 2

1 pts

You take a trip that covers 240 km and takes 4 hours to make. Your average speed in km/hour.

Question 3**1 pts**

A student walks 160 m in 150 s. The student stops for 30 s and then walks 210 m farther in 140 s. What is the average speed of the entire walk in m/s?

Question 4**1 pts**

Following a bank robbery, one of the robbers runs east 120 m in 10 s. What was his speed?

Question 5**1 pts**

You go on a trip that is 536 km and it takes you 8 hours to drive this distance. What is your average speed?

Question 6**1 pts**

A remote controlled airplane moves 7.2 m in 2.5 seconds. What is the plane's speed in m/s?

Question 7**1 pts**

A dolphin swims 1.85 km/h. How far has the dolphin traveled in km after 0.60 h?

Question 8**1 pts**

A car travels at a maximum speed of 70 km/hr. How much time does it take in hours to travel 2000 km?

Question 9**1 pts**

What is the speed of a jet plane in m/s that travels 3000 meters in 10 seconds?

Question 10**1 pts**

A bird flies west with a velocity of 8 m/s. How long does it take in seconds for the bird to travel a horizontal distance of 400 meters?

Not saved

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