

Average Speed

Speed – distance traveled divided by the amount of time that is needed to travel that distance; the rate at which an object moves; speed depends on the distance traveled and the time taken to travel that distance

$$\text{Average Speed} = \frac{\text{Total Distance}}{\text{Total Time}}$$

1. Michelle has traveled 360 kilometers and it took her 4 hours. What is Michelle's average speed?
2. What is your average speed if you take 2 hours to walk 16000 meters?
3. An athlete swims a distance from one end of a 50 m pool to the other in a time of 25 seconds. What is the athlete's average speed?

Name _____

Date _____

Akin / Class Period _____

Average Speed #2

Speed is measured in length units per time units, but the units are not always the same. For example, you would probably measure a runner's speed in meter per second (m/s). Your car's speed is measured in kilometers per hour (km/h) or miles per hour (mi/h).

$$\text{Average Speed} = \frac{\text{Total Distance}}{\text{Total Time}}$$

1. Braden has traveled 440 kilometers and it took him 4 hours. What is Braden's average speed?
2. What is your average speed if you take 8 minutes to walk 1600 meters?
3. An athlete ran a distance of 48 meters in a time of 6 seconds. What is the athlete's average speed?