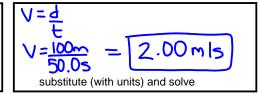


Ex.) An animal walks 100 m in 50.0 s. What is its average speed?

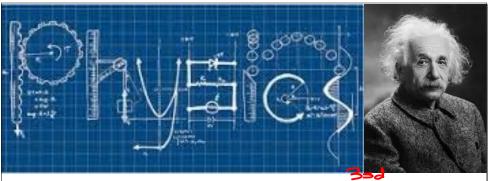
d = 100m t = 50.05 V = ?list all variables

$$\Delta V = \Delta \frac{d}{\Delta t}$$
formula



Think like a mathematician: The animals' rate of change(slope) is 2 m/s.

Think like a physicist: The animals average speed is 2.00 m/s.



Ex.) Bob drove from Edmonton to Calgary, a distance of 320 km. If he drives at a constant speed of 80 km/h, how long with it take him?

=320km

list all variables

 $V = \frac{d}{t}$  formula

80km/h= 320km

substitute (with units) and solve

t = 320 km t = 4.0 h

