



Which statements are True and which statements are False?

WELL DONE!



TRUE / FALSE

A) Velocity is another word for speed.



TRUE / FALSE

B) Velocity is a very fast speed.



TRUE / FALSE

C) Velocity is speed and direction.



TRUE / FALSE

D) Velocity can be shown by an arrow.

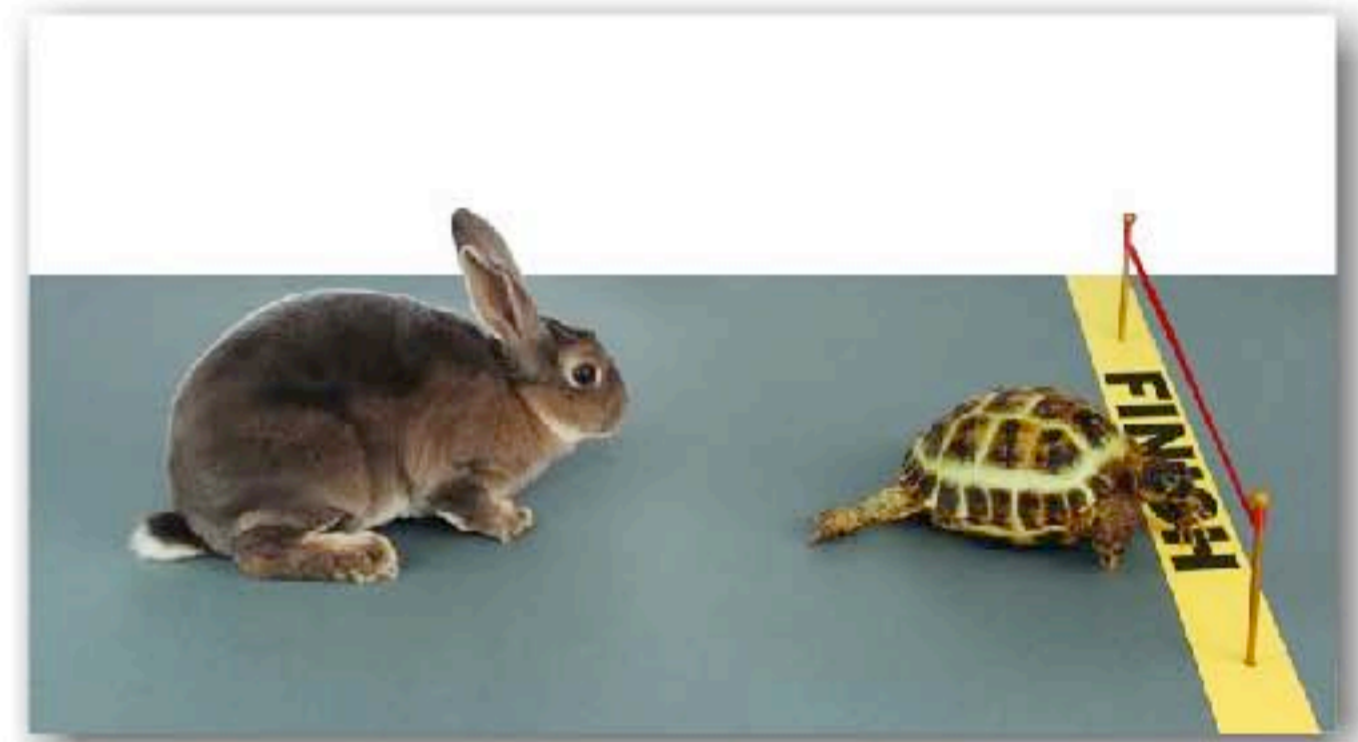


TRUE / FALSE

E) Velocity slows down until it becomes speed.



We have learned that, to find something's **speed**, all we need to know is how far it traveled and how long it took to get there. O.K., there is one more thing that is good to know about something in motion. It's good to know in which direction it is moving. It is really good to know if the thing is going to hit you.



Suppose you are running straight North at 10 miles per hour (16 kilometers per hour). Someone else, running straight South at 5 miles per hour (8 kilometers per hour), runs straight into you. The jolt you get would be the same as running into a wall at 15 miles per hour (24 kilometers per hour) ( $10 + 5 = 15$  /  $16 + 8 = 24$ ).

**continue reading** 

