

Motion



Motion- _____

Frame of Reference

In order to see motion you need _____

Reference Point- _____

- ✓ The most common reference point is _____

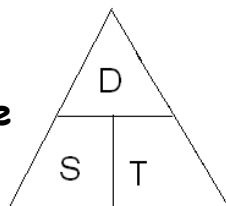
Speed

Speed- _____

Formula for speed: $\text{Speed} = \frac{\text{distance}}{\text{time}}$

- ✓ Always include a unit of measure next to each number!
- ✓ Distance is measured in _____.
- ✓ Time is measured in _____.
- ✓ Speed is measured in _____.

Equation Triangle



Sample Problem: If it takes us 3 hours to travel to Albany which is 180 miles away, what was our speed?

- 1- Draw the equation triangle
- 2- Write the equation
- 3- Substitute in your values
- 4- Write the answer

Practice Speed Problems:

1. What is your speed if you travel 300 m in 10 seconds?

- 1- Draw the equation triangle
- 2- Write the equation
- 3- Substitute in your values
- 4- Write the answer

2. If you are traveling 30 km/hr how far will you travel in 4 hours?

- 1- Draw the equation triangle
- 2- Write the equation
- 3- Substitute in your values
- 4- Write the answer