

## p. 9: Measuring Distance

- \* What are some units (distance or otherwise) that you use in your life? Make a chart & give at least five examples

(don't use this one!) →

Unit	What it measures
gallon	volume

## pp. 10-11: Calculating Speed

- \* Come up with 3 practice problems on your own. Solve them using the speed equation - show your work.

(don't use this one!) 15 km in 3 hours

$$\text{speed} = \frac{\text{distance}}{\text{time}} = \frac{15 \text{ km}}{3 \text{ h}} = 5 \text{ km/h}$$

## pp. 12-13: Describing Velocity

- \* Take each speed from above (your 3 practice problems) and turn them into velocity.

(don't use this one!) speed: 5 km/h      velocity: 5 km/h West

- \* How can you change the velocity of something without changing the speed? Give one example.

## pp. 22-24: Acceleration

- \* What are the 3 ways an object can accelerate?

- \* Come up with 3 practice problems on your own.

Solve them using the acceleration equation. Show your work.

initial: 10 m/s      final: 20 m/s      time: 2 s

$$\text{acceleration} = \frac{FS - IS}{\text{time}} = \frac{20 \text{ m/s} - 10 \text{ m/s}}{2 \text{ s}} = \frac{10 \text{ m/s}}{2 \text{ s}} = 5 \text{ m/s/s}$$

(don't use this one!) →

or  
 $5 \text{ m/s}^2$