2.26.20

Graphing: Average Speed and Converting 1

Today's Objectives:

- Calculate how fast a car goes
- Learn avg speed equation
- $^{\rm O}$ How to convert units
- Take real world data



Car Lab #1: Calculate your car's speed

<u>Materials</u>

° Car

• Meter stick (can measure in inches, centimeters or meters)

Timer (cell phone, measure in seconds)

<u>Data</u>

<u>How far did your car drive?</u> (number and a unit)

• How long did it drive for? (number and a unit)

• Take the average of 3 trials.

Calculations

Divide distance over time to calculate your car's speed. (number and a unit) Show your work in your lab book, circle your answer!

Graphing: Average Speed

When we write speeds in physics, it is always in this form:









When police officers make an Average Speed trap, what two measurements do they need to take?

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