

Handout

Introduction

Scalar Quantities:

- Scalar quantities have magnitude, but no direction.
- Examples are _____, _____, and _____.

With your group and the video, brainstorm additional quantities with magnitude, but not direction?

With your group, discuss how you would measure the following scalar quantities

1. Speed

2. Time

3. Distance

Micro:Bit Brainstorming

Your task is to create coded motion sensor timer using the Makecode.Microbit.org program. When finished, download the code and transfer it to your Micro:bit to test it out!

****Hint Code**** https://makecode.microbit.org/_F4oYvfJ2DePR

Consolidation

1. Describe any trends in your Distance-Time Graph.
2. Create a Constant Speed-Time Graph of your results.
3. In the Olympic 200 m race, is it possible for the runner with the greatest speed crossing the finish line to lose the race? Explain?