Measurement, Error and Significant Figures

**Accuracy:**

**Precision:**





**Types of Errors**

**Systematic Errors:**

How to fix systematic errors:

How to address systematic errors in lab reports:

**Random Errors:**

How to fix random errors:

How to address random errors in lab reports:

**Uncertainty and Significant Figures**

Make a random mark on the line

Measure how far that mark is from the end

How far is it?

**Significant Figure Rules:**

1. Start counting digits when
2. Nonzero numbers
3. Zero is significant if:
   1. It is
   2. A decimal
   3. Numbers less than 1
   4. Numbers greater than 1