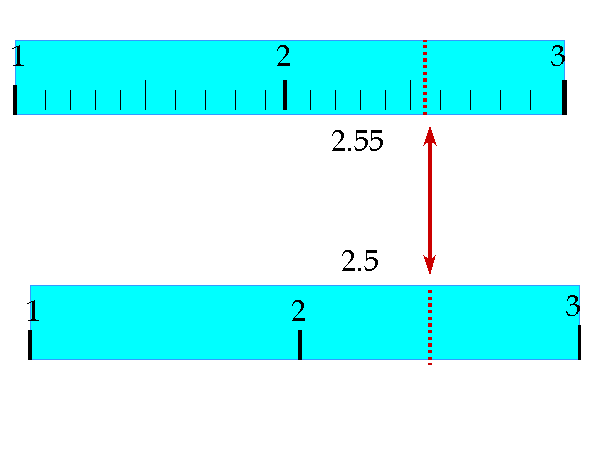
**Honors Chemistry Foundations**

* 1. **Notes-Measurements**

**Measurements: Measurements are quantitative observations that tell us the magnitude (with numbers and units) of the observation and the precision with which that measurement was taken.**

* Reporting a measurement: certain and estimated digits



**Significant Figures**

* All non-zero digits are significant
* Leading zeros are never significant
* Sandwiched zeros are always significant

Trailing zeros are significant

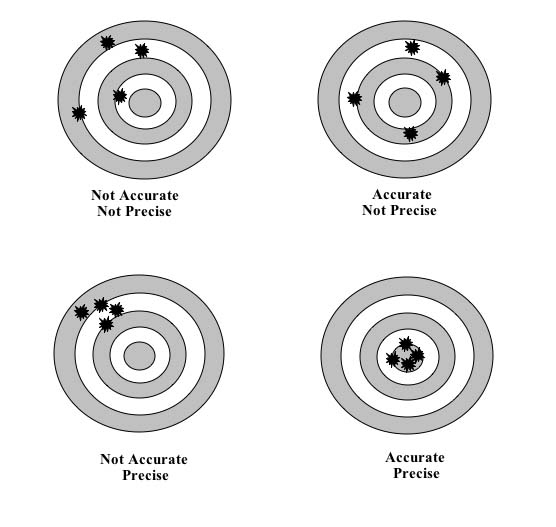
**Measured vs. Defined (exact) quantities**

**Operations with measured quantities**

* Multiplication and division
* Addition and subtraction

**Precision vs. Accuracy**

* Precision

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* Accuracy

