

328 Level 1 Chemistry
Unit 1 : Data, Data, Data

Definition (Def): Science:

Experiments:

Observation :

Qualitative:

Quantitative:

Def: Accuracy

Precision:

Def: Significant Figures (Sig Figs):

Two pieces of information a quantitative observation provides:

3 Major Aspects of Significant Figures

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Mini-Lab on Determining Sig Figs

In this mini-lab, you will be asked to make several measurements and to determine the number of sig figs in the measured value. Please fill in the blanks below as required.

Mass Station A : _____ grams (g)

Mass Station B: _____ g

For the following measurements, use the attached handout that contains three scales that measure length.

Length of block : _____ centimeters (cm) Ruler# : _____

Height of block : _____ centimeters (cm)

Length of block : _____ centimeters (cm) Ruler# : _____

Height of block : _____ centimeters (cm)

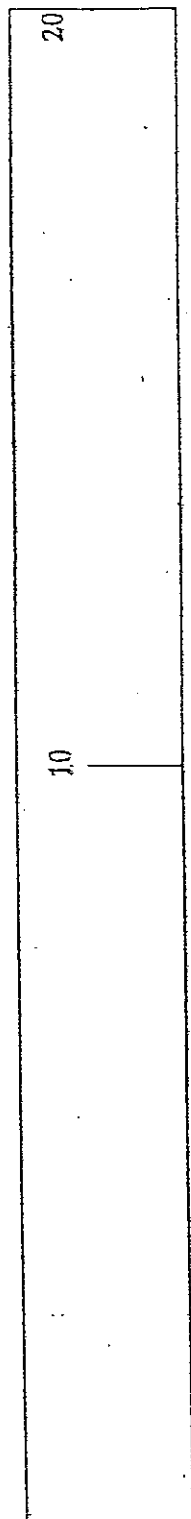
Length of block : _____ centimeters (cm) Ruler# : _____

Height of block : _____ centimeters (cm)

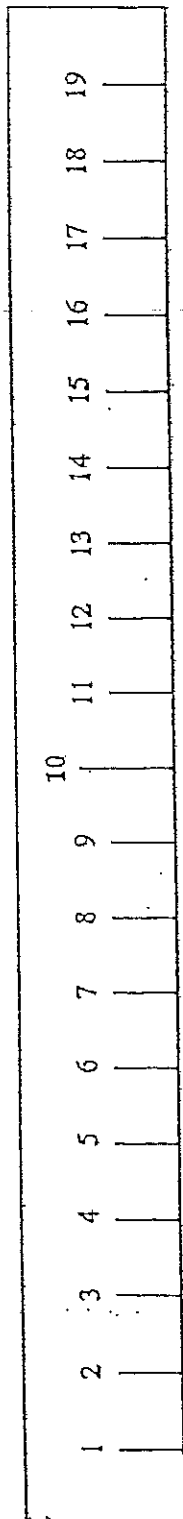
For the following measurement, determine the temperature of the liquid in the beaker. Please remember to read the temperature while the thermometer is in the liquid.

Temperature (Temp) of Liquid: _____ °C (degrees Celcius)

RULER 1



RULER 2



RULER 3

