EXPERIMENT # 2

MEASUREMENTS REPORT FORM

-	
Piir	nnce.
I UI	pose:

(show calculations below)

EXPERIMENT # 2

Part 2:
Mass of coin using centigram balance:
Mass of coin using analytical balance:
Uncertainty of a balance is usually stated in terms of the last measured digit. For example, a decigram balance measures to a tenth of gram $(0.1~g)$ and therefore its uncertainty is stated as $\pm 0.1~g$ or tenth of a gram.
State the uncertainty of each balance you used as indicated below:
Centigram: g
Analytical: mg
Part 3:
Volume of 2 oz of tap water:
Ratio of volumes (mL/oz):
State the uncertainty of the following measuring glassware in your locker: (include units
Graduated cylinder (100 mL):
Graduated cylinder (10 mL):

Beaker (50 mL): _____

Thermometer:_____

EXPERIMENT # 2

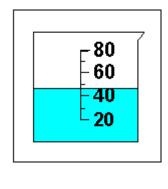
Questions:

1. Is the percent error value determined in part 1 of this experiment a measure of accuracy or precision of your measurements? Briefly explain.

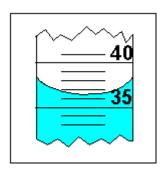
2. Using the same ruler in part 1 of your experiment, how could you improve the precision of your measurements?

3. If you were asked to measure 5.80 mL of a liquid, which glassware in your locker would be the proper one to use?

4. Record each of the measurements below to the proper number of digits:



_____ mL



_____ mL