

### **LAB: "Mass Without a Balance"**

Design a lab to determine the mass of a sample of lead shot (given to you on the day of the lab) without using a balance. Pay close attention to the observations and calculation answers that must be included in your data table. Calculations must be shown beneath/after the data table. Your data table should include

- type of substance
- density of substance
- ALL the measurements you used to determine volume (and we're talking at least three columns here!)
- experimental mass
- actual mass
- percent error

You should include at least three trials. Also, be careful in the use of significant figures both in your measurements as well as in your calculations.

Once you have determined the mass of your sample, you will bring the sample to me to get the actual mass so that you may calculate your percent error.

This lab will be written up in your lab book. The lab manuscript form sheet can be found on the website under the lab tab.