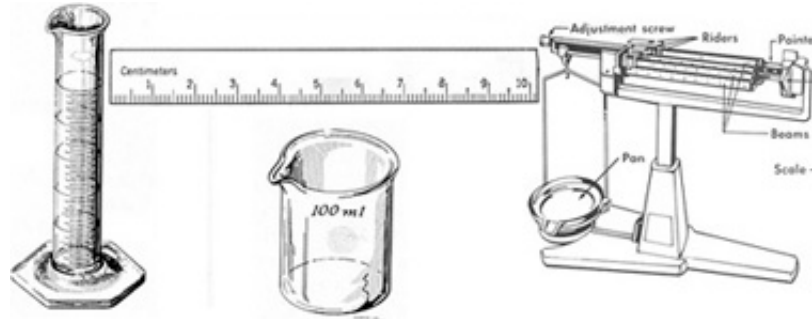


Lab: Measuring with Accuracy

Name _____ Period _____

Purpose: To devise THREE methods to accurately measure the volume of a beaker, Test the methods, and Evaluate the methods.

Materials: Beaker (ignore the markings on it), 100 mL Graduated Cylinder, Centigram Balance, Metric Ruler. Water from the tap (**NEVER twist the taps!!!**).



Remember: One cubic centimeter = one milliliter = one gram of water.

Preparation: Describe the THREE methods that you will use to determine the volume of the beaker brim full. Use cubic centimeters for the volume.

Method 1:

.
.

Method 2:

.
.

Method 3:

.
.
.

Procedure: Perform the THREE methods above and determine the results within significant figures (sig figs are those that can be accurately measured with your equipment):

Method 1:

.

.

.

Method 2:

.

.

.

Method 3:

.

.

.

Critique: Compare the three methods above and EXPLAIN which is the most accurate, the second best and the least accurate and why?