



Volume Lab Report

Name: _____

Read the following directions carefully. Failure to do so will cost you time. Lost time may result in extra time needed to complete this assignment outside of class. Don't waste your time :)

The purpose of this lab is to test your abilities with volume, area, and graduated cylinders. Also to test your ability to read directions. Squirrels. If you followed the directions you will notice that certain words are in sentences. You will note these at the space provided at the end of the lab report.

You will be placed in groups of two and one group of three. The teacher will chose these groups.

Person 1:

1. Obtain string and cut a length longer than 3 popsicle sticks.
2. Tie the string so a loop is available to lower the objects into the cylinder for testing.

Person 2:

1. Obtain a graduated cylinder
2. Fill the cylinder to 30ml (place cylinder flat on table to get accurate measurement)
3. Grab a set of small weights (next to cylinders)

Both:

1. Find a lab spot to work at and determine the area of the bottom of the weight holder (include units).

Area: _____

2. Test the volume of the weights 10g-100g (if you lose a weight in the cylinder you will need to empty it)
3. Dry each weight after use with a towel. run. Be sure to dry each weight well.
4. Write down the volume when each weight is submerged below:

Weight (Units)	Volume (Units)

5. After each weight is used and dried place it on the paper towel on the counter.
6. Next determine how many marbles it takes to produce a volume of 8ml.
_____ marbles
7. After placing the used marbles on a towel obtain 5 paper clips.
8. Determine the volume of five paperclips (Include units).

9. After determining the volume of five paperclips. slow. Dump out the water in your cylinder and fill it to a desired level.
10. Obtain a popsicle stick.
11. Determine the volume of the popsicle stick using whatever ethical means necessary. sometimes

12. When done place the popsicle stick on a towel to dry and return your empty cylinder to where you received it.
13. Answer the following questions at your lab station in complete sentences.

Did you experience any difficulty in measuring the volume of the popsicle stick? How did you solve this issue?

I have two objects of identical dimensions. One made of lead and the other of feathers. Which has a greater volume? Why?

Space for words: