

Mass & Volume Lab Part II

Group Names:

Part E: Measuring mass directly.

1. Measure the objects on the table using the triple beam balance. This needs to be done twice by two different people. Take the average.
2. Use the proper number of decimal places and don't forget units!

Object	Partner 1	Partner 2	Average
Large Weight			
Small Weight			
Safety Pin			
Clip			
Magnifying Glass			
Funnel			

Part F: Using water displacement to measure the volume of an irregular solid.

1. Fill a graduated cylinder with 50ml of water. Record the volume in the table below.
2. Carefully drop the solid object into the graduated cylinder. Note the new level of the water and record it in the data table.
3. Find the volume of the clip by subtracting the initial volume of water from the volume of water with the clip in it. Record your results in the table.
4. Repeat steps 1- 3 for the remaining objects.

Object	Volume of Water	Volume of Water with Object	Volume of Object
Safety Pin			
Magnifying Glass			
Large Weight			
Small Weight			

Part G: Using a ruler to measure the volume of a regular solid

Find the volume of three regular solids in the classroom. List the items in the chart.

Object	Length	Width	Height	Volume