

Names _____

Measurement- Chemistry

Procedure:

Examine the numbers and marks on the instruments and learn how they are divided into subunits. Remember to record the last digit in the measurement by estimating the position of the object between the two marks. Don't forget units

Part 1: Direct measurement

1. Mass #1 and #2 using the electronic and 4-beam balances.
2. Determine the temperature of the room by reading the thermometer.
3. Measure the thickness of a ream of paper in cm and mm.
4. Add 50 drops of water to a test tube and measure(estimate) the volume knowing that the test tube holds 10 mL.
5. Pour the water from the test tube into a small graduated cylinder. Measure the volume.
6. Fill the beaker up to a random amount with water and measure (estimate) the volume.
7. Pour the water from the beaker into a large graduated cylinder and measure.

Data: Part I			
Instrument	Measurement	Uncertainty	Number of Sig. Digits
Electronic balance #1 #2			
4 beam balance #1 #2			
Thermometer			
Ream Cm Mm			
Test tube			
Small graduated cylinder			
beaker			
Large graduated cylinder			

