

Graduated CYLINDER

Graduated means “measured”

1) Tool Precision? 0.5mL? 1mL? 5mL?

2) Zero the tool. Is it dry?

3) Fill what you need...

✓ Fine Adjustment: eye dropper (20 drops=1mL)

4) Read Measurement

✓ Hold Cylinder just below top rim.

✓ Raise Cylinder so that level of water is @ eye level.

✓ Read measurement @bottom of curve of water (meniscus)

✓ Report as precise as tool allows, then estimate 1 more place.

HOW 2 MEASURE

TRIPLE BEAM BALANCE

1) Tool Precision? 1g? 0.1g? 0.01g?

2) Zero the tool. Is it balanced on ALL zeros?

3) Place object to be massed in the pan.

4) Move big masses until the balance sinks, then move back 1 notch.

5) Repeat until using smallest mass to perfectly balance.

6) Read masses from back to front, totaling the masses.

7) Our balances allow us to report 2 decimal places w/certainty. Estimate one further place! 3 decimal places should always be reported when using our balance—even if they are zeros!