

Student Name: _____

Date: _____

Purpose

How precisely can we measure everyday objects using metric tools?

Materials

- * Ruler (mm)
- * Graduated cylinder (10 mL)
- * Balance or digital scale
- * 5 small objects
- * Water

Procedure

1. Measure the length of each object to nearest mm.
2. Measure the mass of each object.
3. Fill cylinder with 50 mL. Drop object in. Record new volume.
4. Record all data in table.
5. Calculate density: $\text{Density} = \text{Mass} / \text{Volume}$.

Data / Observations Table

Object	Length (mm)	Mass (g)	Volume (mL)	Density (g/mL)

Analysis Questions

1. Which object had greatest density?

2. What happens to an object with density less than 1.0 g/mL in water?

3. Why is it important to read the cylinder at eye level?

4. Convert your largest length measurement from mm to cm and to m.

Conclusion

In my own words, what did I learn from this lab?
