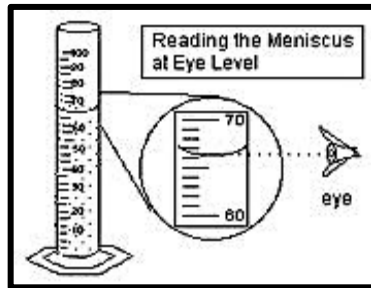


Density Worksheet:

Density = mass/volume $D=m/v$

I. Measure Volume: (How Big?)

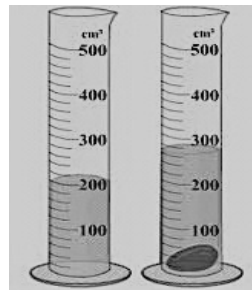
- Measure liquid volume using a graduated Cylinder.
- Read at the lowest part of the meniscus (curve).
- Check the cylinder for the units and scale.



1. Volume = _____ ml

II. Measure the Volume of waterproof objects: Use water displacement (rise in water level or overflow).

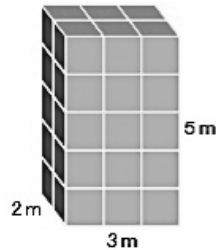
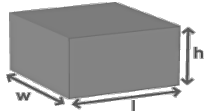
- Measure and record the "before" water level.
- Add water proof object. Object must be completely submerged (covered) under H_2O .
- Record water level with object under water.
- Determine volume by subtracting.



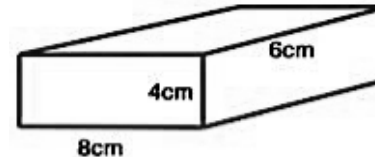
5. Rock Volume = _____ cm^3
 6. Mass = 300g Density = _____

III. Measure Volume of solid objects that will be damaged in water using mathematical formulas:

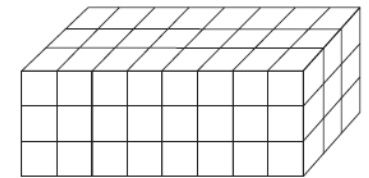
Rectangular prism: $V = L \times w \times h$



11. Volume = _____ m^3
 12. Mass = 24 Density = _____



13. Volume = _____ cm^3
 14. Mass = 576g Density = _____



Each cube measures 1 cm on each side.
 15. Volume = _____

IV. Measure Mass: (How heavy?) ↑

- Measure mass with a balance scales.
- Have balance scales level, dry, clean and on zero.
- Measure and record the mass of the container.
- Then record mass of container + substance.
- Subtract to get mass of substance.

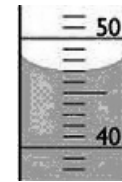


V. Calculate Density. (How tightly packed?)

Density = m/v

Name _____

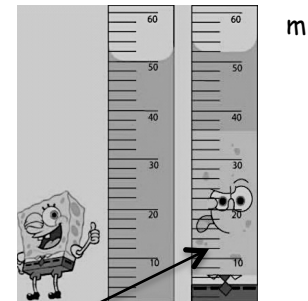
Period _____



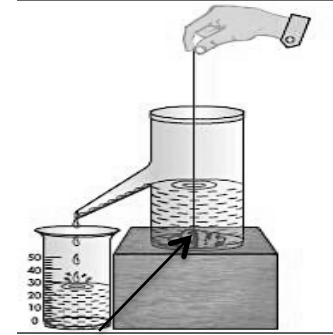
2. Volume = _____ ml
 3. Mass = 47g Density = _____



4. Volume = _____ ml



7. "Bob" Volume = _____ ml
 8. Mass = 4g Density = _____



9. Rock Volume = _____ ml
 10. Mass = 120g Density = _____