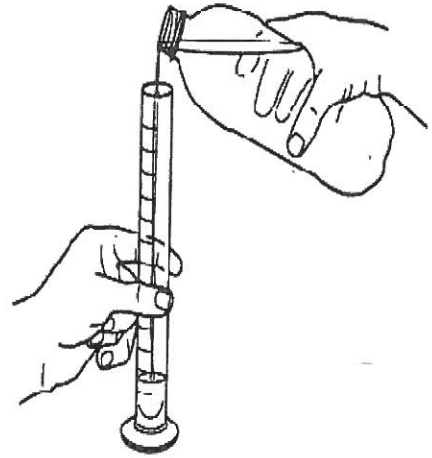


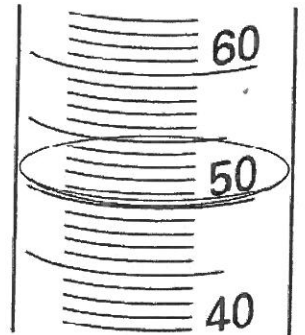
Volume by displacement

Determine volumes of **irregular** objects.

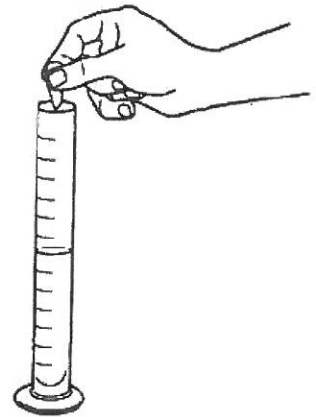
a. Fill the graduated cylinder about half full with water. Make sure it is enough so that the object is completely submerged.



b. Observe and record the volume of water. The surface of the water will be curved in the cylinder. Read the volume at the bottom of this curve.



c. Carefully place the object you are measuring into the cylinder. It must be completely submerged.

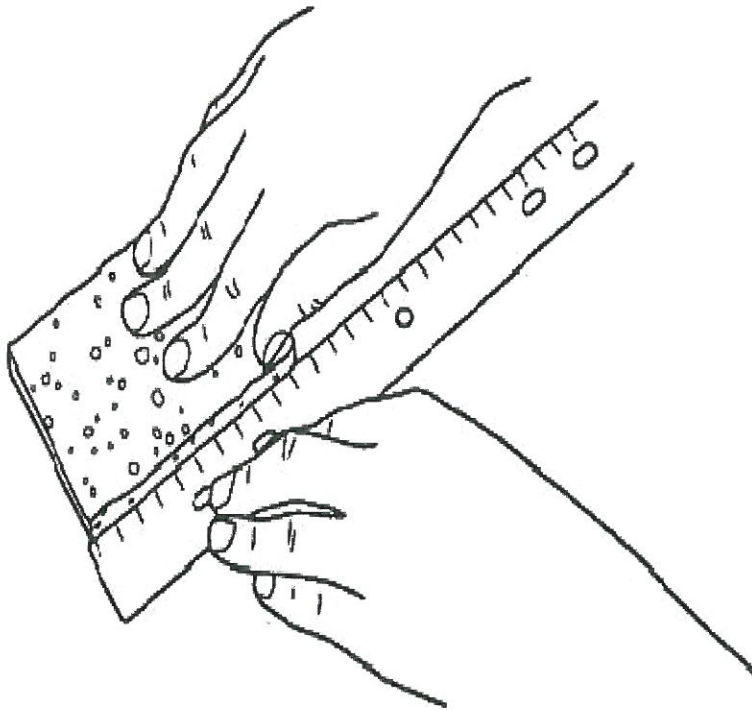


d. Record the exact volume of water in the cylinder with the object.

e. Calculate the volume of the objects: **volume of water with object – volume of water without objects.**

Volume by formula

Determine volumes of **rectangular** objects.



- ✓ Use a metric ruler to measure the length, width, and height of each rectangular object.
- ✓ Record all three values.
- ✓ Calculate and record the volume.