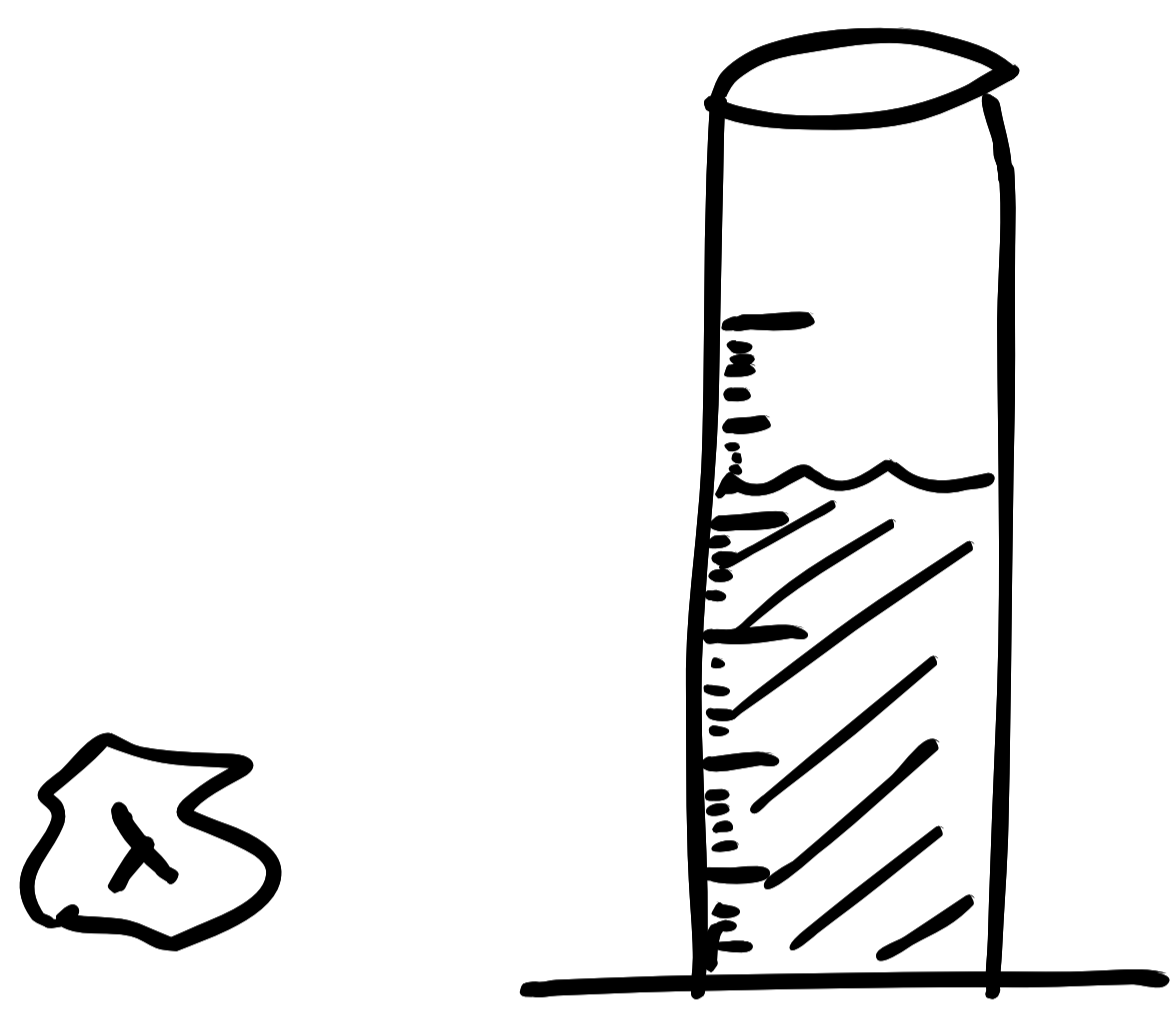
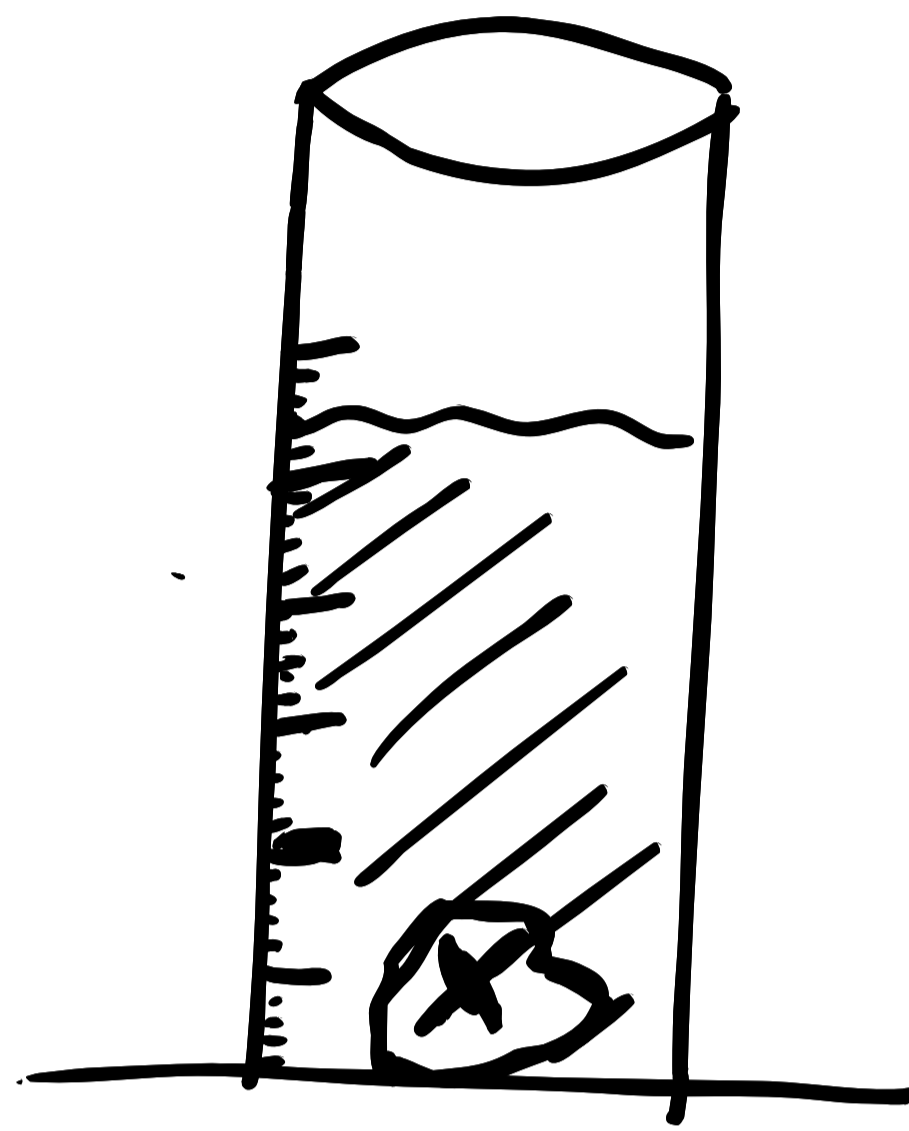


Problema 1 (DENSIDAD):

En Laboratorio

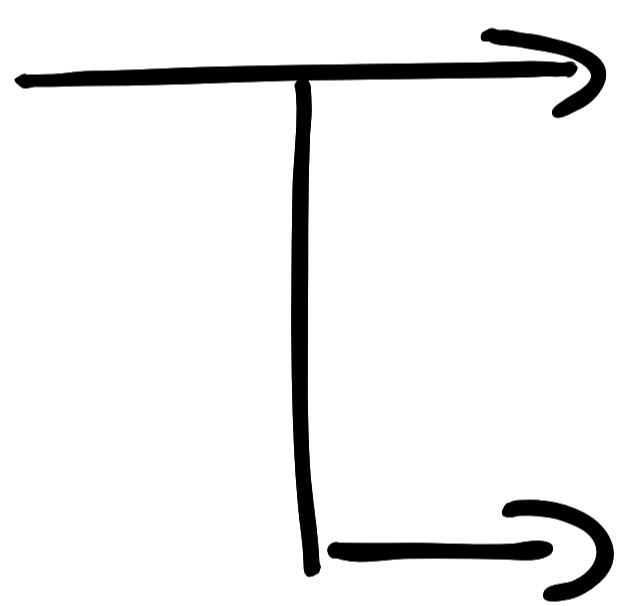


$$V_1 = 220 \text{ cm}^3$$



$$V_2 = 270 \text{ cm}^3$$

$$d = \frac{m}{V}$$



$$m = 565 \text{ g}$$

$$V = ?$$

El volumen del cuerpo es equivalente al volumen del líquido desplazado, y este es:

$$V_{\text{CUERPO}} = V_2 - V_1 = (270 - 220) \text{ cm}^3 = 50 \text{ cm}^3$$

$$50 \text{ cm}^3 \cdot \frac{1 \text{ ml}}{1 \text{ cm}^3} = 50 \text{ ml}$$

$$d = \frac{m}{V} = \frac{565 \text{ g}}{50 \text{ ml}} = 11.3 \text{ g/ml} = d$$