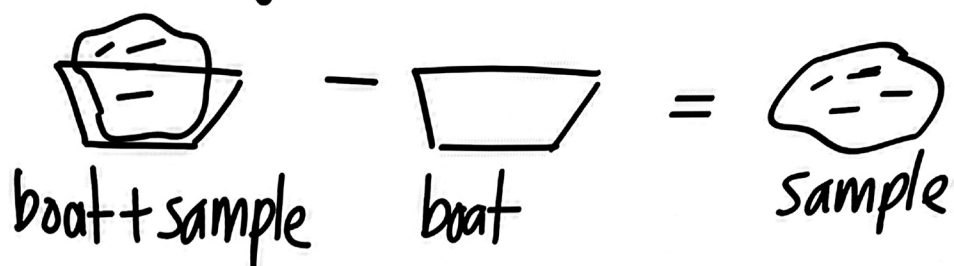


Lab 5 Pre-Lab

Mass by Difference



$$52.9\text{g} - 3.5\text{g} = 49.4\text{g}$$

49.5 g A

A = CuSO_4

Cu: $1 \times 63.55\text{g/mol}$

S: $1 \times 32.07\text{g/mol}$

O: $4 \times 16.00\text{g/mol}$

MM $\text{CuSO}_4 = 159.62\text{g/mol}$

Convert 49.5 g CuSO_4 (A)
to mol CuSO_4 (A)

$$\frac{49.5\text{g CuSO}_4}{159.62\text{g CuSO}_4} \times 1\text{ mol CuSO}_4$$

$$= 0.31\text{ mol CuSO}_4$$