

## Desarrollo

1.

$$m = 82.5 \text{ g}$$

$$\text{Volumen} = 0.45$$

$$C = 2 \times 12 = 24$$

$$H = 6 \times 1 = 6$$

$$O = 1 \times 16 = \frac{16}{46}$$

$$\begin{aligned} 82.5 / 46 &= 17 / 0.45 \\ &= 39 \end{aligned}$$

$$\underline{M = 39}$$

$$\frac{82.5 \times 1000}{46 \times 0.45} = \frac{825}{20.7} = 39$$

2.

$$m = 4.78$$

$$\text{Volumen} = 7$$

$$4.78 / 7 = 0.682$$

$$0.68 / L$$

3.

$$m = 3.65 \text{ g}$$

$$\text{Volumen} = 2.00 \text{ L}$$

$$H = 1 \times 1 = 1$$

$$Cl = 1 \times 35 = \frac{35}{36}$$

$$3.65 / 36 = 10 / 2.00 = 5$$

$$\underline{M = 39}$$

$$\frac{365 \times 1000}{36 \times 2.00} = \frac{365}{72} = 5$$

4.

$$m = 49,04$$

$$\text{Volumen} = 250 \text{ ml} / 1000 = 0,25 \text{ L.}$$

$$H = 2 \times 1 = 2$$

$$S = 1 \times 32 = 32$$

$$O = 4 \times 16 = \frac{64}{98}$$

$$49,04 / 98 = 50 / 0,25 = 200$$

$$\underline{M = 200}$$

$$\frac{49,04 \times 1000}{98 \times 0,25}$$

$$\frac{49,04}{24,5} = 200$$