

Ejercicios

$$1. m = 82.5g$$

$$\text{volumen} = 0.45$$

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

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

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

$$82.5 / 46 = 1.79 / 0.45 = 39$$

$$m = 39$$

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

$$2. n = 4.78 \text{ ml}$$

$$u = 7000 \text{ ml} / 1000 = 7$$

$$v = 7 \text{ litros}$$

$$M = 4.78 \text{ ml} / 7L = 0.682$$

$$M = 0.682 \text{ ml} / L$$

$$M = \frac{n}{v}$$

$$3. m = 365 g$$

$$\text{volumen} = 200 L$$

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

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

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

$$M = 39$$

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

$$4 \quad m = 49,04$$

$$V_{\text{dumen}} = 230 \text{ mL} / 1000 = 0,23 \text{ L}$$

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

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

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

$$\underline{M = 200}$$

$$49,04 / 98 = 50 / 0,23 = 200$$

$$\frac{49,04 \times 1000}{98} \times 0,23$$

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