

$$4 \text{ m} = 49,04$$

$$\text{Volumen} = 230 \text{ ml} / 1000 = 0,23$$

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

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

$$m = 200$$

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

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

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

$$\times 0,23$$

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

$$= 200$$

$$3 \text{ m } 363 \text{ g}$$

$$\text{Volumen } 200 \text{ l}$$

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

$$C = 1 \times 35 = 35$$

$$3,63 / 36 = 10 / 200 = 3$$

$$\frac{363 \times 1000}{36} = 10000$$

$$\underline{m = 34}$$

## Exercício

$$1. m = 88.5g$$

$$\text{volumen} = 0.43$$

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

$$H = 6 \times 2 = 6$$

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

$$82.5 / 46 = 47 / 0.43 = 39$$

$$m = 39$$

$$\frac{82.5 \times 1000}{46 \times 0.43} \quad \frac{82.5}{20.7} = 39$$

2

$$n = 4.78 \text{ mol}$$

$$V = 7000 \text{ mol} / 1000 = 7$$

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

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

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

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