

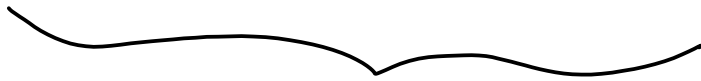
## TAREA 1

$$m = 10g$$

$$Z = 47$$

$$M = 107.87g/mol.$$

$$N = \left( \frac{10g}{107.87g/mol} \right) (N_A [\text{atoms/mol}]) (47 \text{electrons/atom})$$



Atoms

$$N = 2.62 \times 10^{24} \text{ electrons.}$$

$$q = -1mC$$

$$\frac{q}{e} = 6.24 \times 10^{15} \text{ electrons.}$$

Antes  $2.62 \times 10^{24}$  el.

Agroscamos.  $6.24 \times 10^{15}$  el.

paquetes  $10^9$  elec./paquete.

$$\text{Paquetes - Antes} = \frac{2.62 \times 10^{24} \text{ el.}}{10^9 \text{ el./paq.}} = 2.62 \times 10^{15} \text{ paq.}$$

$$\# \text{ el./paq.} = \frac{6.24 \times 10^{15} \text{ el.}}{2.62 \times 10^9 \text{ paq.}} = 2.38 \text{ el./paq.}$$

