

1. Fill in the grid / *Completa la siguiente tabla:*

| Quantity   | Symbol | Unit    | Symbol   |
|------------|--------|---------|----------|
| Current    | I      | AMPERES | ...      |
| Voltaje    |        | VOLTS   | ...      |
| Resistance | R      |         | $\Omega$ |

2. Which is the current of a 10 ohms lamp if the voltaje applied is 5 V? / *¿Cuál es el valor de intensidad de corriente que consume una lámpara de 10 ohmios cuando se le suministra una tensión de 5 V?*

Data:

R =  $\Omega$

V = V      Formula applied =

Solution I =



3. An iron of 23 ohms is connected to a 230 V plug. Which current do we have trough the iron? / *Una plancha de 23ohmios se conecta a la red de 230V. ¿Qué intensidad circula por la resistencia?*

Data:

R =  $\Omega$

V = V      Formula applied =

Solution I =



4. Find out the resistance of an iron if the circulating current is 1,5 A when we connect it to a 230V net. *Calcula la resistencia de una plancha sabiendo que al conectarla a 230V circula una intensidad de 1,5 A.*

Data:

I = A

V = V      Formula applied =

Solution R =



5. Fill in this grid making **working out the values** and the units missing. *Completa la tabla aplicando la ley de ohm, fíjate que tienes que calcular y poner el valor (nº) y la unidad.*

| VOLTAGE | CURRENT | RESISTANCE   |
|---------|---------|--------------|
| ...     | 0,75 mA | 6 k $\Omega$ |
| 9 V     | ...     | 18 $\Omega$  |
| 1,5 V   | 1 mA    | ...          |

6. Get the quantity that we don't know and the power at the resistor. / *Dados los siguientes circuitos, calcula las magnitudes incógnitas aplicando la ley de Ohm.*

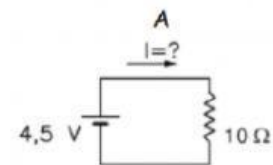
A) Data:

$$R = \quad \Omega$$

$$V = \quad V$$

Formula applied =

Solution I =



B) Data:

$$I = \quad A$$

$$R = \quad \Omega$$

Formula applied =

Solution V =

