



Ohm's Law states that

$$\text{RESISTANCE} = \frac{\text{VOLTAGE}}{\text{CURRENT}}$$

Ex. What is the resistance of a light bulb if the current traveling through is 2 amps from a 9 volt battery?

$$\begin{aligned} R &= V / I \\ &= 9 / 2 \\ &= 4.5 \text{ ohms} \end{aligned}$$

Resistance (R) is measured in ohms (Ω)

Voltage (V) is measured in volts (V)

Current (I) is measured in amps (A)