

# HINTS & TIPS

## Ohm's LAW

This simple formula describes the relationship between voltage, current and resistance:

**Voltage = Current x Resistance**

or

$$V = I \times R \quad (\text{e.g. } 12V = 2A \times 6R)$$

**Current = Voltage/Resistance**

or

$$I = \frac{V}{R} \quad (\text{e.g. } 2A = 12V/6R)$$

**Resistance = Voltage/Current**

or

$$R = \frac{V}{I} \quad (\text{e.g. } 6R = 12V/2A)$$

Ohm's Law can be easily be remembered using the triangle below. Cover up the value you want to find then treat letters next to each other as multiplications, and letters above each other as divisions.



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