



VIR

$E = \text{Energy} = P \times T$

$I = \text{Current} = P / V$

$V = \text{Voltage} = P / I$

$R = \text{Resistance} = V / I$

$P = \text{Power} = I \times V$

$T = \text{Time} = E / P$

Light Bulb

Voltage = 1.5 Volts = $2 \times .75$

Current = 2 Amp = $1.5 / .75$

Resistance = $1.5 / 2 = .75$

Power = 3 watts = 1.5×2

Time = 86400

Power = $0.00003472222 / (1000 \times 60 \times 60) = .000003472 = P / T$

Three light bulbs, all using the same calculations.

$.000003472 \times 3 = .000010416$