



If you put **two resistors in series**, the total resistance in the circuit is equal to the sum of the two resistors.

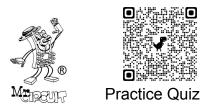
If we put a 100 ohm resistor in series with a 330 ohm resistor, the total resistance in the circuit is 100 plus 330 or 430 ohms.

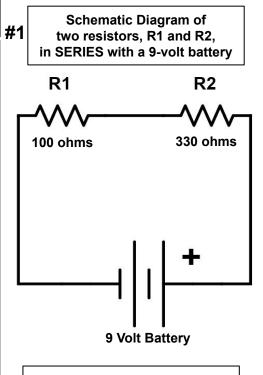
Use Ohm's Law to calculate the current:

E = 9 volts R (total) = 100 + 330 = 430 I = ?

Ohm's Law says:

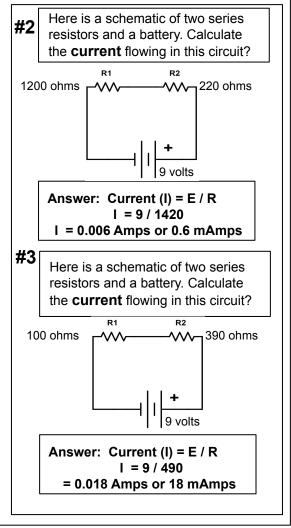
I = E / R I = 9 / 430 = **0.02 Amps** or 20 mA (twenty milliamps)



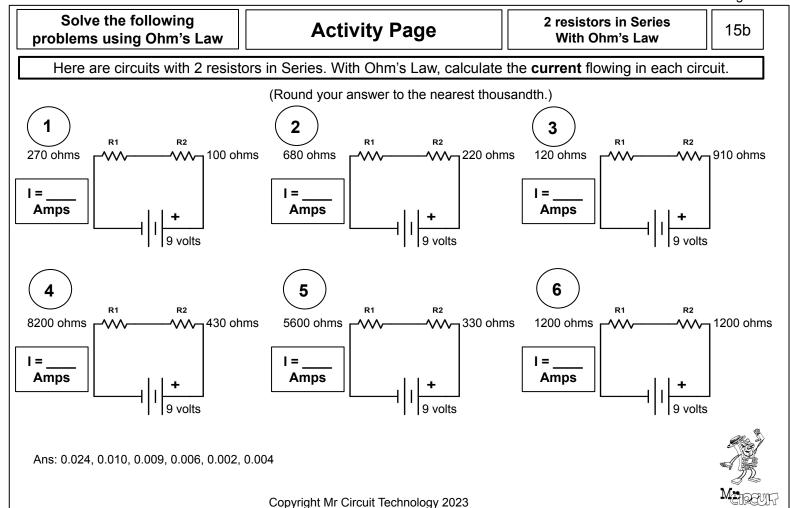


I = E / R
How much is the current flowing in this circuit?

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