

8.6: Questions

1. Is the current everywhere the same in a series circuit?
 2. Do the voltages across multiple series elements add up to the total supplied voltage?
 3. Do the currents in the branches of a parallel circuit add up to the total supplied current?
 4. Does this experiment verify Ohm's law?
 5. If a third resistor was added in series in Figure 1, would the total current increase, decrease, or stay the same? Would the voltages across the first two resistors increase, decrease, or stay the same?
 6. If a third resistor was added in parallel in Figure 2, would the total current increase, decrease, or stay the same? Would the currents through the first two resistors increase, decrease, or stay the same?
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