

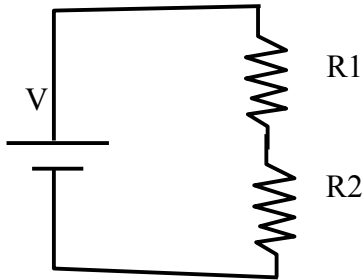
Example 1

In the circuit below, $V=10\text{ V}$, $R_1=1\Omega$, $R_2=3\ \Omega$.

What is the voltage drop across each resistor?

What is the current through each resistor?

What resistor could you use to replace this 2 resistor network?



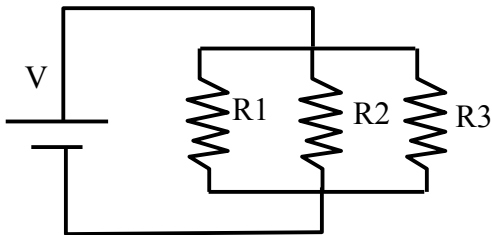
Example 2

In the circuit below, $V=10\text{ V}$, $R_1=1\Omega$, $R_2=2\ \Omega$ and $R_3 = 4\ \Omega$.

What is the voltage drop across each resistor?

What is the current through each resistor?

What resistor could you use to replace this 3 resistor network?



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In the circuit below, $V=10\text{ V}$, $R_1=1\Omega$, $R_2=2\ \Omega$ and $R_3 = 3\Omega$.

What is the voltage drop across each resistor?

What is the current through each resistor?

What resistor could you use to replace this 3 resistor network?

