

Series Circuits Review

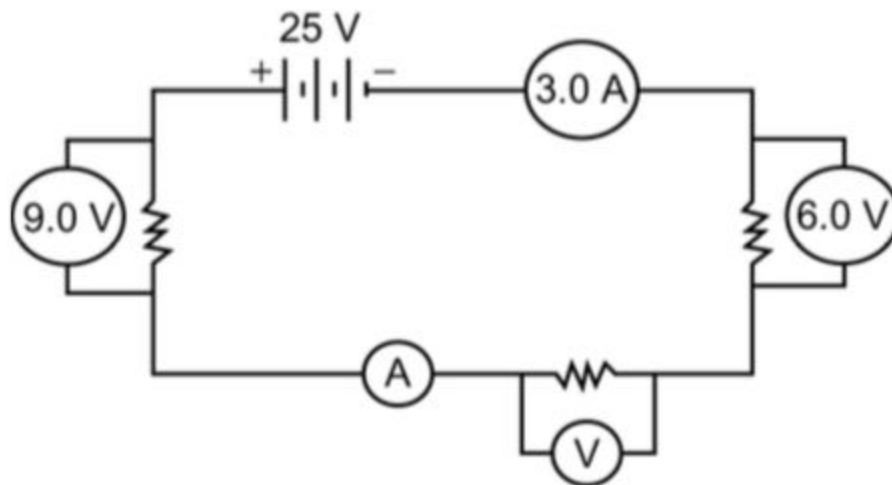
Goal • Review your understanding of series circuits.

Series Circuits

Circle the best term in the parentheses to correctly complete each statement.

1. A series circuit has (*more than one, only one*) path for current to travel.
2. In a series circuit, the current at one location in the circuit is (*equal to, different from*) the current at another location in the circuit.
3. If two different resistors are connected in series, the voltage across one resistor will be (*equal to, different from*) the voltage across the second resistor.
4. By adding a resistor in series with an original resistor, the total resistance of the circuit (*increases, decreases*).
5. The sum of the voltages across each of the resistors in a series circuit is (*equal to, different from*) the voltage supplied by the battery.
6. Find the unknown voltage at V, and current at A, in each of the following circuits.

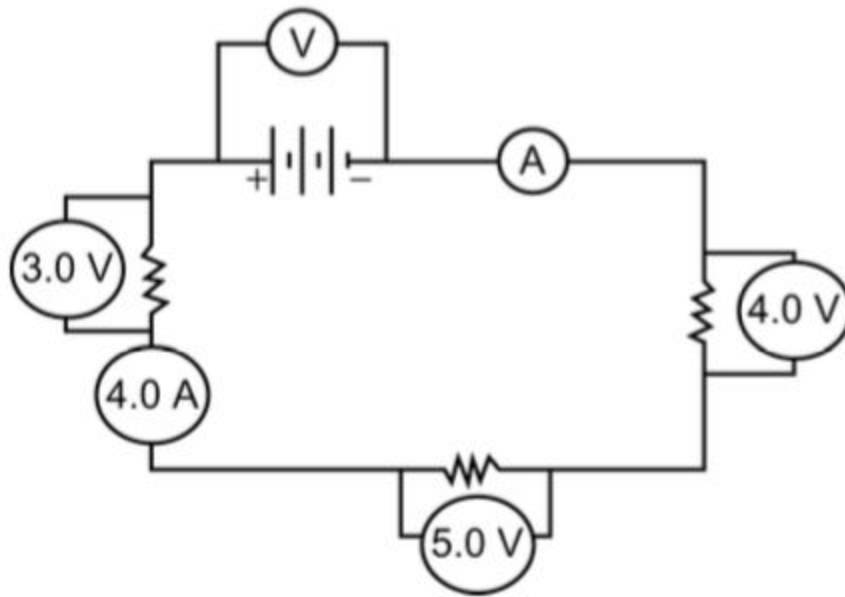
Voltage = _____ Current = _____



7.

Voltage = _____

Current = _____



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