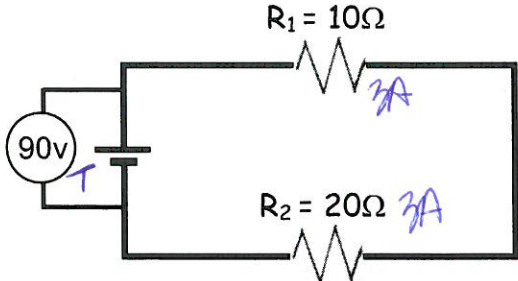
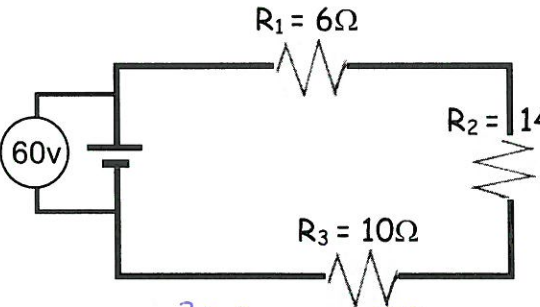
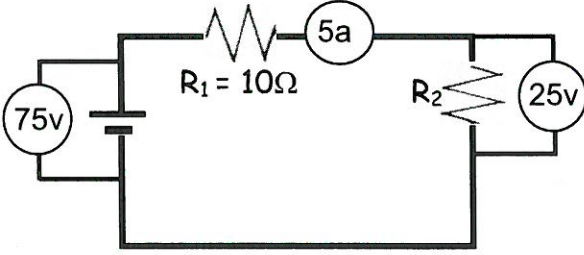
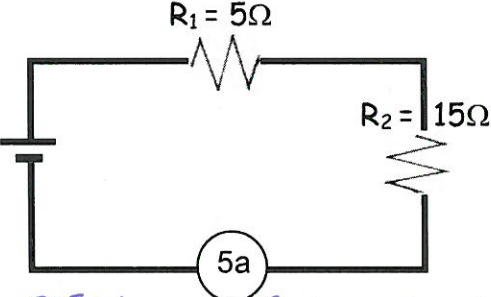
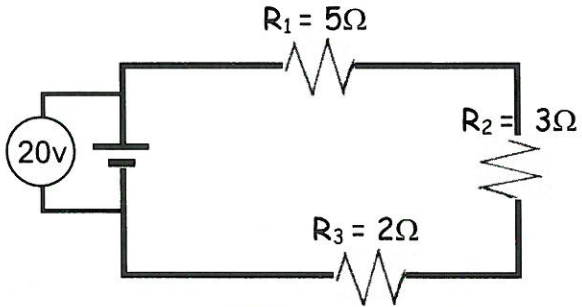
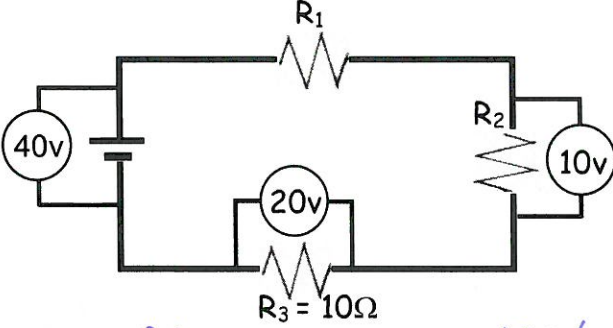


Remember that in a series circuit:

- the **current** in every part of the circuit (is the same, adds up).
- the **voltage** supplied by the battery is the _____ voltage of the circuit, and the voltage drops across each resistor (is the same, adds up to) the total voltage.
- to calculate total **resistance**, (add, use reciprocals).

 <p> $R_1 = 10\Omega$ $R_2 = 20\Omega$ 90v </p> <p> $R_T = 30\Omega$ $I_T = 3A$ $I_1 = 3A$ $I_2 = 3A$ $V_1 = 30V$ $V_2 = 60$ </p>	 <p> $R_1 = 6\Omega$ $R_2 = 14\Omega$ $R_3 = 10\Omega$ 60v </p> <p> $R_T = 30\Omega$ $I_T = 2A$ $I_1 = 2A$ $I_2 = 2A$ $I_3 = 2A$ $V_1 = 12V$ $V_2 = 28V$ $V_3 = 20V$ </p>
 <p> 75v $R_1 = 10\Omega$ 5a 25v </p> <p> $V_1 = 50V$ $I_2 = 5A$ $R_2 = 5\Omega$ </p>	 <p> $R_1 = 5\Omega$ $R_2 = 15\Omega$ 5a </p> <p> $V_1 = 25V$ $V_2 = 75V$ $V_T = 100V$ </p>
 <p> 20v $R_1 = 5\Omega$ $R_2 = 3\Omega$ $R_3 = 2\Omega$ </p> <p> $R_T = 10\Omega$ $I_T = 2A$ $V_1 = 10V$ $V_2 = 6V$ $V_3 = 4V$ </p>	 <p> 40v R_1 R_2 20v $R_3 = 10\Omega$ 10v </p> <p> $I_3 = 2A$ $I_1 = 2A$ $V_1 = 10V$ $R_1 = 5\Omega$ $R_2 = 5\Omega$ </p>