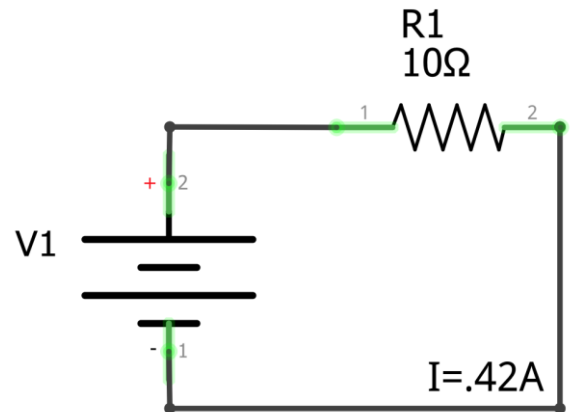
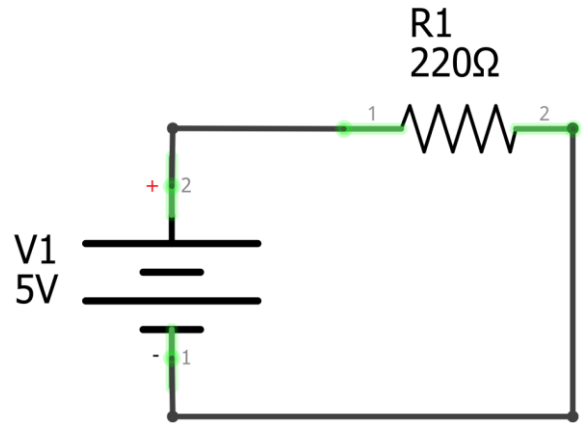


DC Equations and Examples:

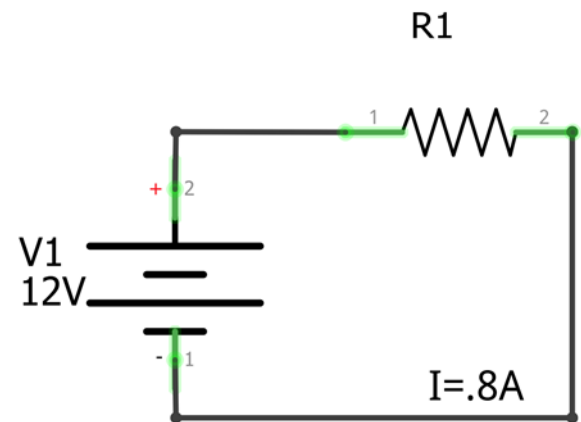
$$V = IR$$



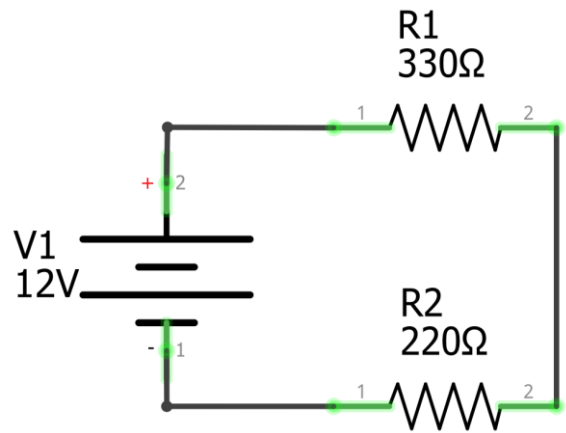
$$I = \frac{V}{R}$$



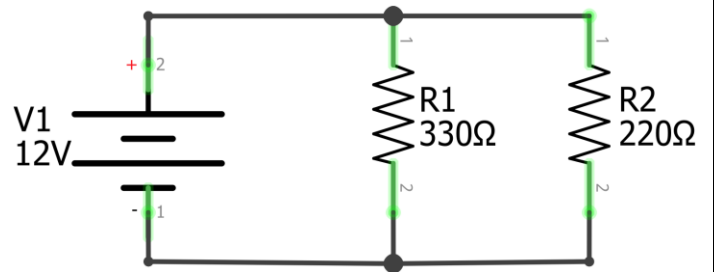
$$R = \frac{V}{I}$$



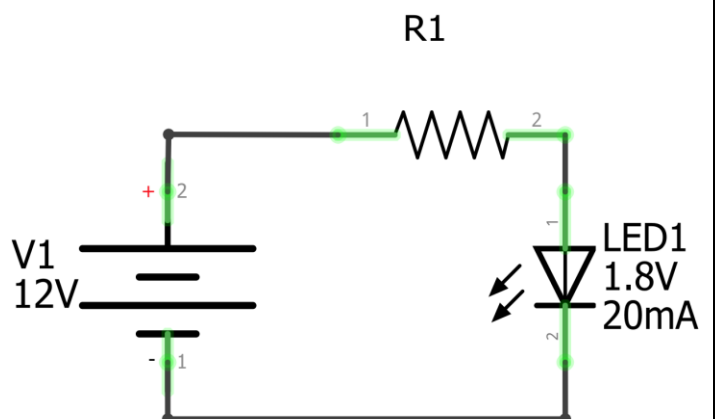
$$R_{Series} = R_1 + R_2 + R_3 + \dots + R_n$$



$$R_{Parallel} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots + \frac{1}{R_n}$$



$$R_{LED} = \frac{V_{Supply} - V_{LED}}{I_{LED}}$$



$$V_{out} = V_{in} * \left(\frac{R_1}{R_1 + R_2} \right)$$

