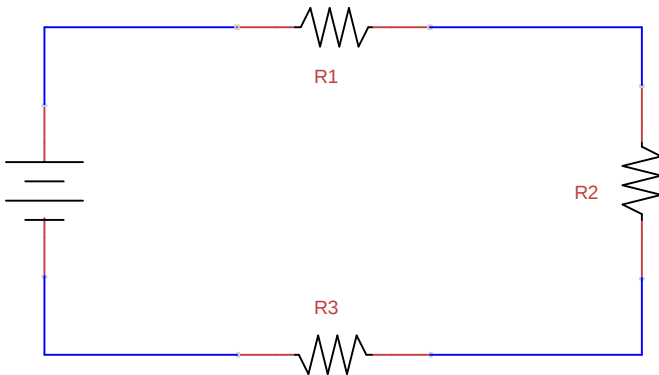


Name _____ Date _____
 Teacher _____ Period _____

Equivalent Resistance Practice

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

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

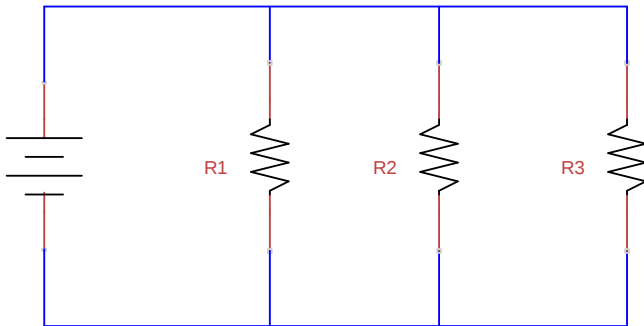


$R_1 = 35\ \Omega$

$R_2 = 20\ \Omega$

$R_3 = 25\ \Omega$

$V_{Total}\ (V)$	$I_{Total}\ (A)$	$R_{Total}\ (\Omega)$
120.0		

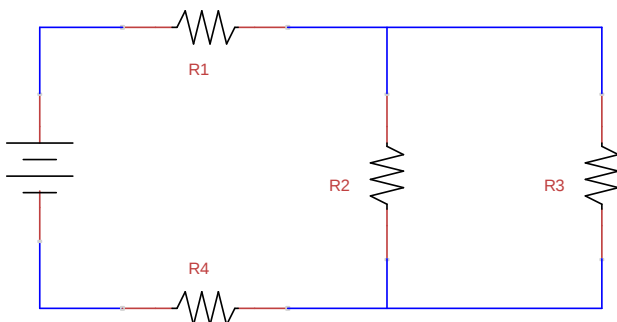


$R_1 = 50\ \Omega$

$R_2 = 25\ \Omega$

$R_3 = 50\ \Omega$

$V_{Total}\ (V)$	$I_{Total}\ (A)$	$R_{Total}\ (\Omega)$
75.0		



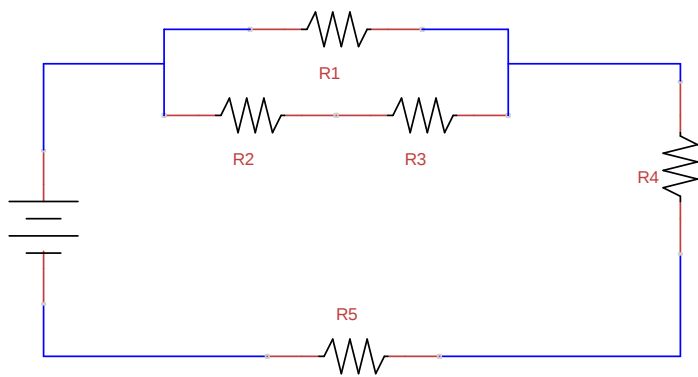
$R_1 = 16\ \Omega$

$R_2 = 60\ \Omega$

$R_3 = 30\ \Omega$

$R_4 = 4\ \Omega$

$V_{Total}\ (V)$	$I_{Total}\ (A)$	$R_{Total}\ (\Omega)$
80.0		



$$R_1 = 30\ \Omega$$

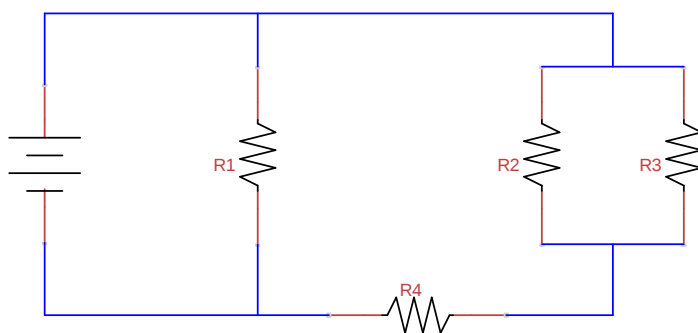
$$R_2 = 10\ \Omega$$

$$R_3 = 20\ \Omega$$

$$R_4 = 15\ \Omega$$

$$R_5 = 10\ \Omega$$

$V_{\text{Total}}\ (\text{V})$	$I_{\text{Total}}\ (\text{A})$	$R_{\text{Total}}\ (\Omega)$
100.0		



$$R_1 = 5\ \Omega$$

$$R_2 = 10\ \Omega$$

$$R_3 = 40\ \Omega$$

$$R_4 = 12\ \Omega$$

$V_{\text{Total}}\ (\text{V})$	$I_{\text{Total}}\ (\text{A})$	$R_{\text{Total}}\ (\Omega)$
125.0		