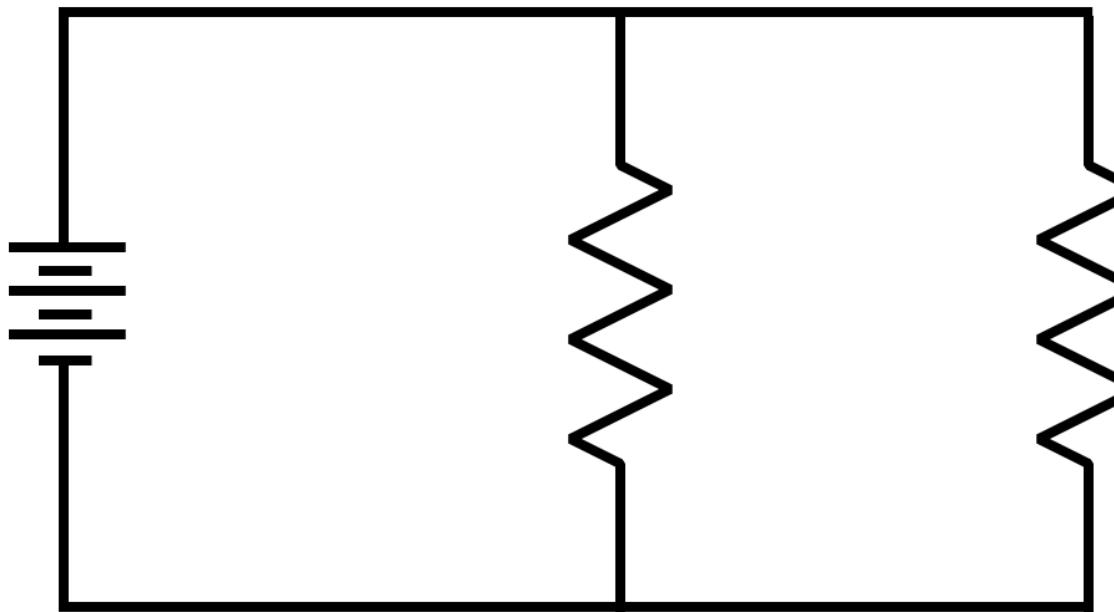


Parallel Example 1

$P_T =$
 $E_T =$
 $I_T =$
 $R_T =$



$P_1 =$
 $E_1 =$
 $I_1 =$
 $R_1 =$

$P_2 =$
 $E_2 =$
 $I_2 =$
 $R_2 =$

Math

Rule

$P_1 =$

$E_1 =$

$I_1 =$

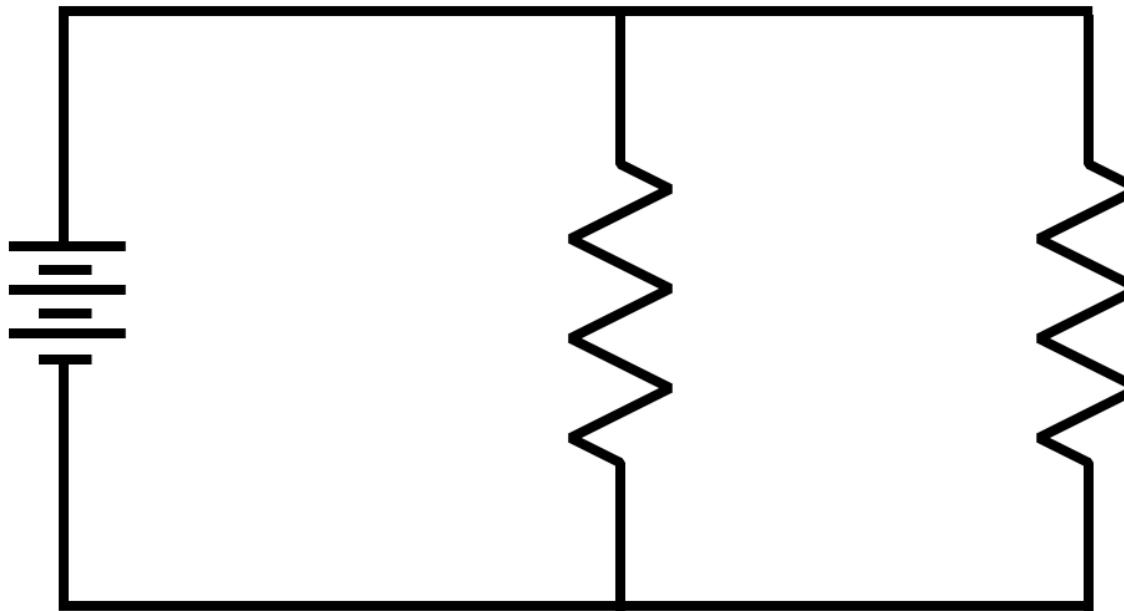
$R_1 =$

$P_T =$

$E_T =$

$I_T =$

$R_T =$



$P_2 =$

$E_2 =$

$I_2 =$

$R_2 =$

$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules

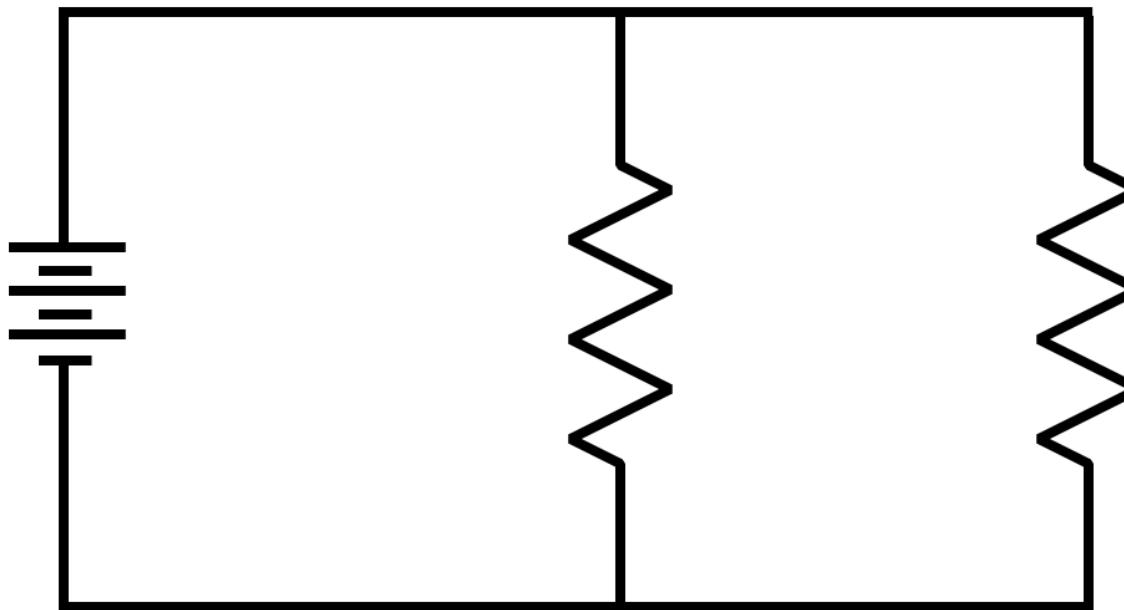
Math

$P_T =$
 $E_T = 48 \text{ Volts}$
 $I_T =$
 $R_T =$

$P_1 =$
 $E_1 =$
 $I_1 =$
 $R_1 = 14.4 \text{ Ohms}$

Rule

$P_2 =$
 $E_2 =$
 $I_2 = 8 \text{ Amps}$
 $R_2 =$



$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules

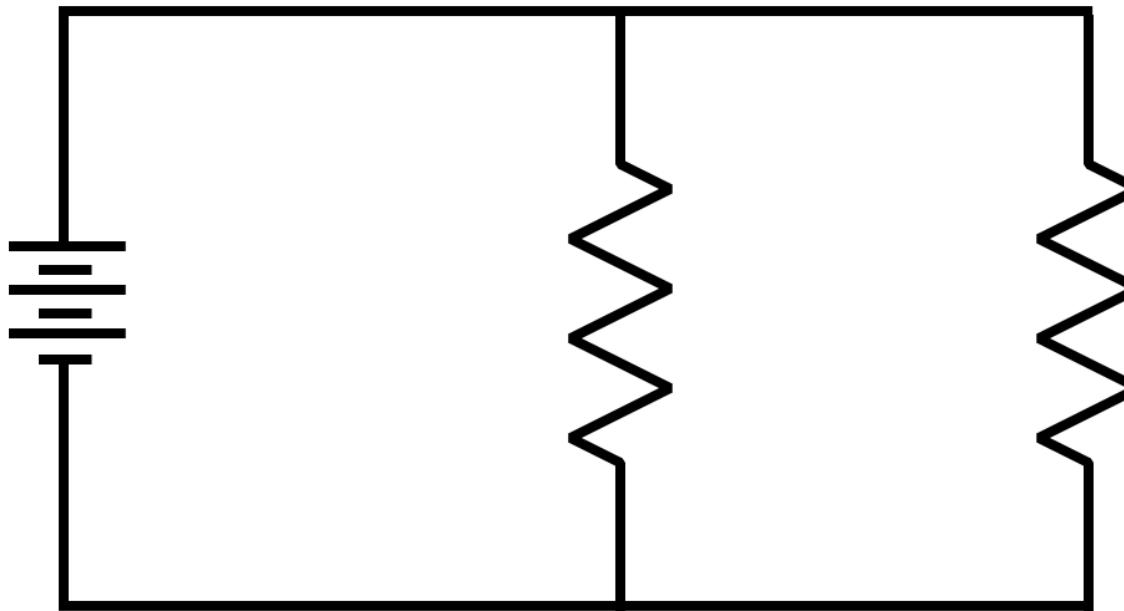
Math

$P_T =$
 $E_T = 48 \text{ Volts}$
 $I_T =$
 $R_T =$

$P_1 =$
 $E_1 = 48 \text{ Volts}$
 $I_1 =$
 $R_1 = 14.4 \text{ Ohms}$

Rule

$P_2 =$
 $E_2 = 48 \text{ Volts}$
 $I_2 = 8 \text{ Amps}$
 $R_2 =$



$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules

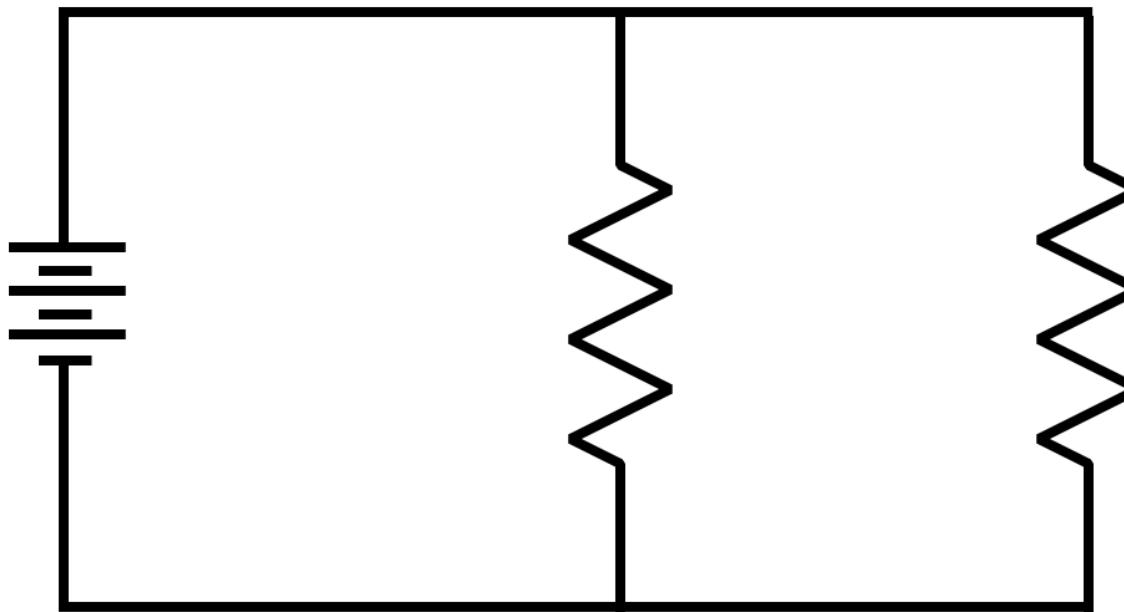
Math

$$\begin{aligned}P_T &= \\E_T &= 48 \text{ Volts} \\I_T &= \\R_T &= \end{aligned}$$

$$\begin{aligned}P_1 &= \\E_1 &= 48 \text{ Volts} \\I_1 &= 3.33 \text{ Amps} \\R_1 &= 14.4 \text{ Ohms}\end{aligned}$$

Rule

$$\begin{aligned}P_2 &= \\E_2 &= 48 \text{ Volts} \\I_2 &= 8 \text{ Amps} \\R_2 &= 6 \text{ Ohms}\end{aligned}$$



$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules

Math

$$\begin{aligned}P_T &= \\E_T &= 48 \text{ Volts} \\I_T &= \\R_T &= \end{aligned}$$

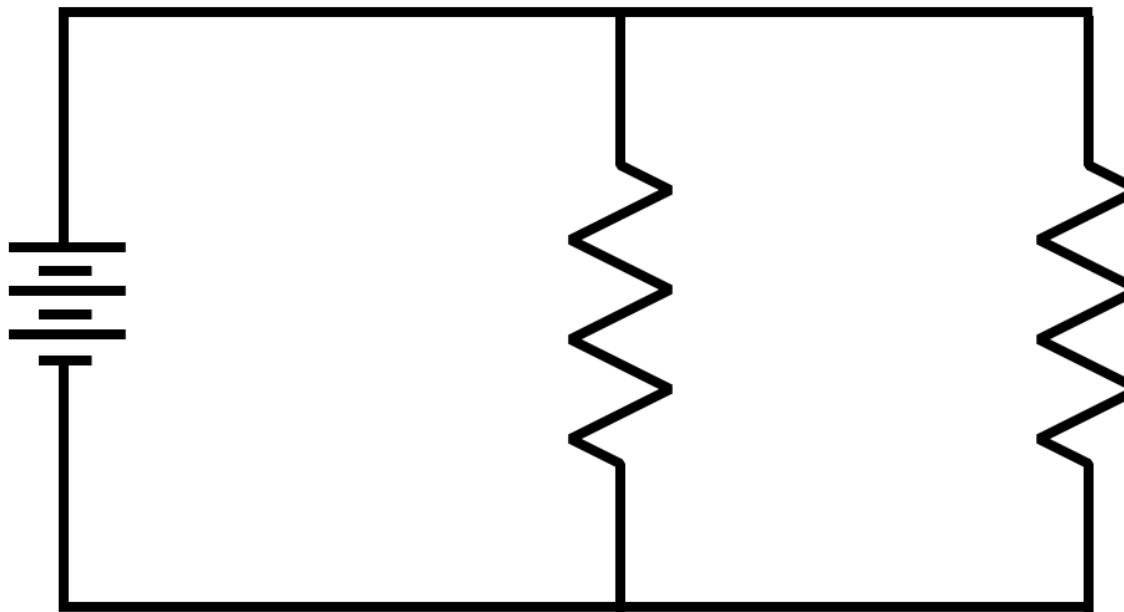
$$P_1 = 159.84 \text{ Watts}$$

$$E_1 = 48 \text{ Volts}$$

$$I_1 = 3.33 \text{ Amps}$$

$$R_1 = 14.4 \text{ Ohms}$$

Rule



$$\begin{aligned}P_2 &= 384 \text{ Watts} \\E_2 &= 48 \text{ Volts} \\I_2 &= 8 \text{ Amps} \\R_2 &= 6 \text{ Ohms} \end{aligned}$$

$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules

Math

$$\begin{aligned}P_T &= \\E_T &= 48 \text{ Volts} \\I_T &= 11.33 \text{ Amps} \\R_T &= \end{aligned}$$

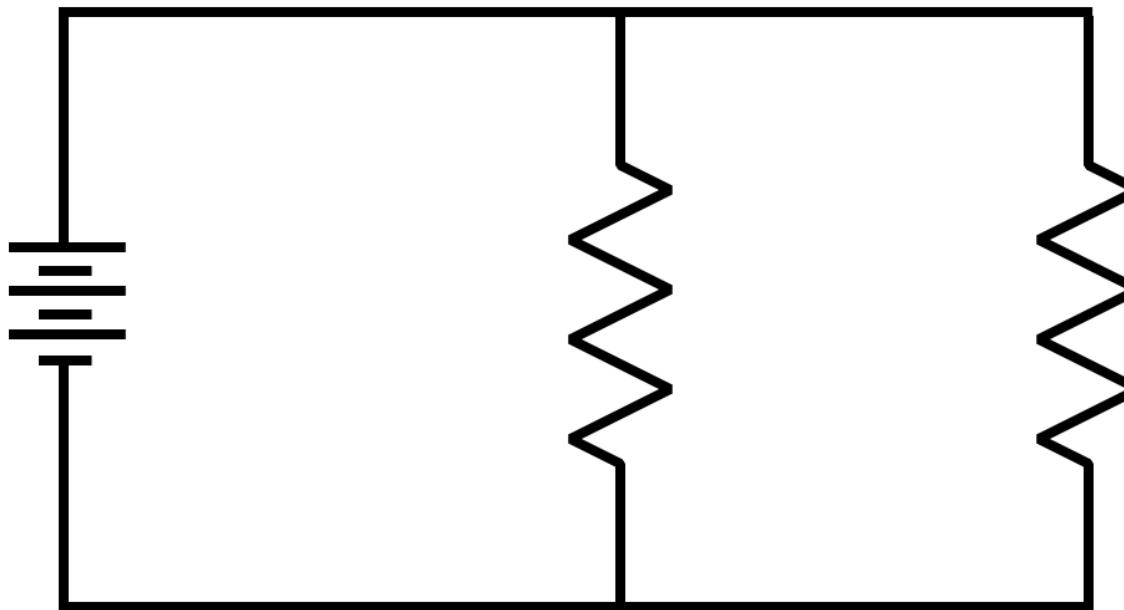
$$P_1 = 159.84 \text{ Watts}$$

$$E_1 = 48 \text{ Volts}$$

$$I_1 = 3.33 \text{ Amps}$$

$$R_1 = 14.4 \text{ Ohms}$$

Rule



$$\begin{aligned}P_2 &= 384 \text{ Watts} \\E_2 &= 48 \text{ Volts} \\I_2 &= 8 \text{ Amps} \\R_2 &= 6 \text{ Ohms}\end{aligned}$$

$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules

Math

$$\begin{aligned}P_T &= 543.84 \text{ Watts} \\E_T &= 48 \text{ Volts} \\I_T &= 11.33 \text{ Amps} \\R_T &= 4.24 \text{ Ohms}\end{aligned}$$

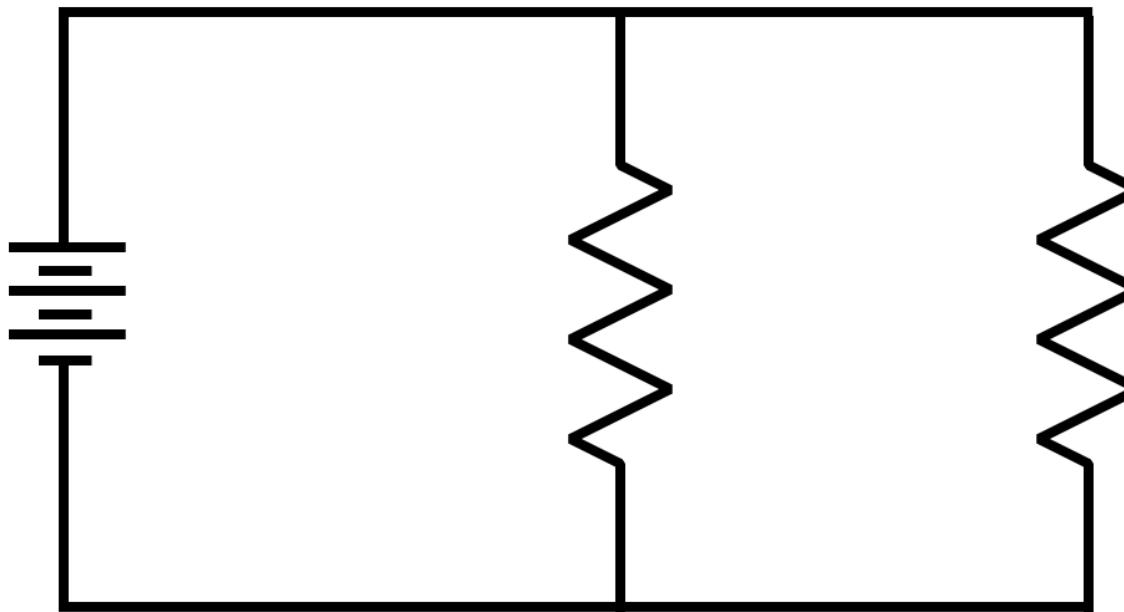
$$P_1 = 159.84 \text{ Watts}$$

$$E_1 = 48 \text{ Volts}$$

$$I_1 = 3.33 \text{ Amps}$$

$$R_1 = 14.4 \text{ Ohms}$$

Rule



$$\begin{aligned}P_2 &= 384 \text{ Watts} \\E_2 &= 48 \text{ Volts} \\I_2 &= 8 \text{ Amps} \\R_2 &= 6 \text{ Ohms}\end{aligned}$$

$$E_T = 48 \text{ Volts}$$

$$R_1 = 14.4 \text{ Ohms}$$

$$I_2 = 8 \text{ Amps}$$

Find All Values of P, E, I and R using Ohm's Law and Parallel Rules