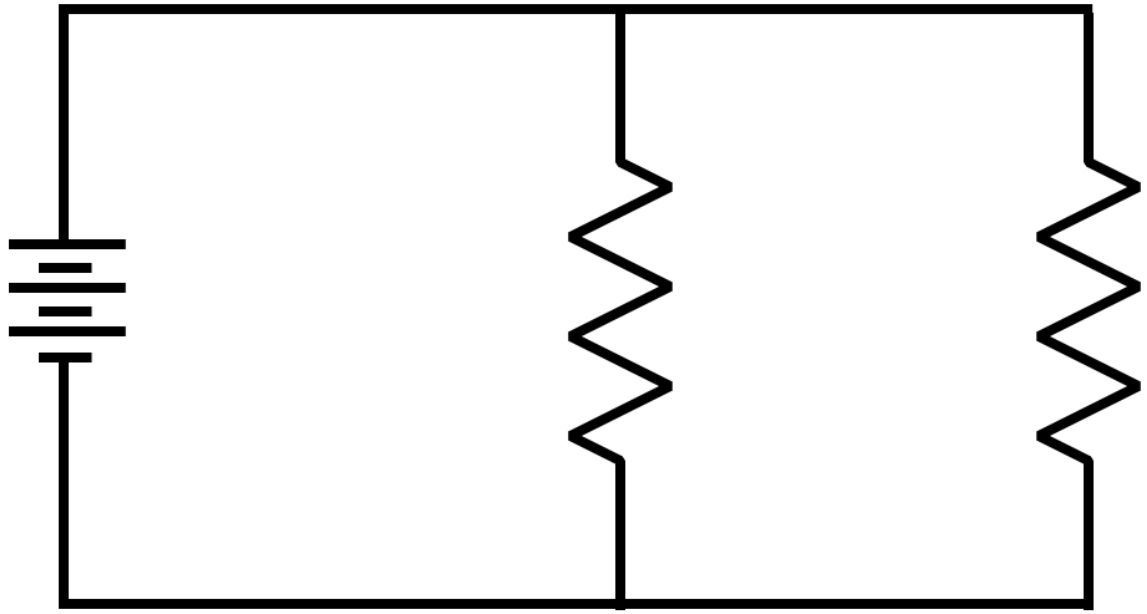
Parallel Example 1

$P_1 =$

$E_1 =$

$I_1 =$

$R_1 =$



$P_T =$

$E_T =$

$I_T =$

$R_T =$

$P_2 =$

$E_2 =$

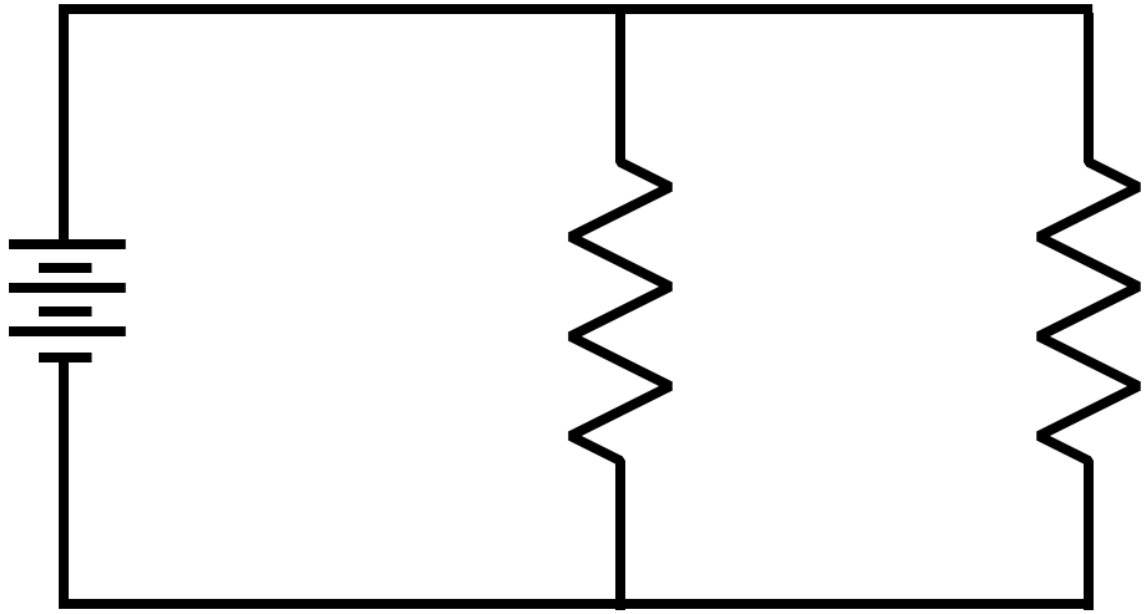
$I_2 =$

$R_2 =$

Math

Rule

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



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

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

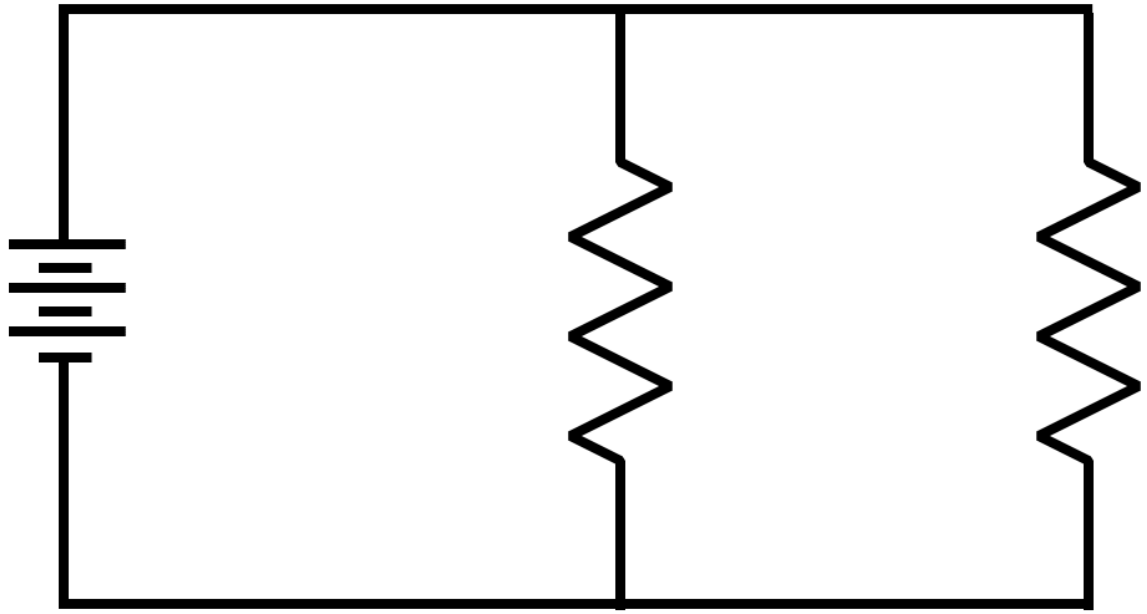
$E_T =$ 48 Volts $R_1 =$ 14.4 Ohms $I_2 =$ 8 Amps

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

Math

Rule

$P_1 =$
$E_1 =$
$I_1 =$
$R_1 =$ 14.4 Ohms



$P_T =$
$E_T =$ 48 Volts
$I_T =$
$R_T =$

$P_2 =$
$E_2 =$
$I_2 =$ 8 Amps
$R_2 =$

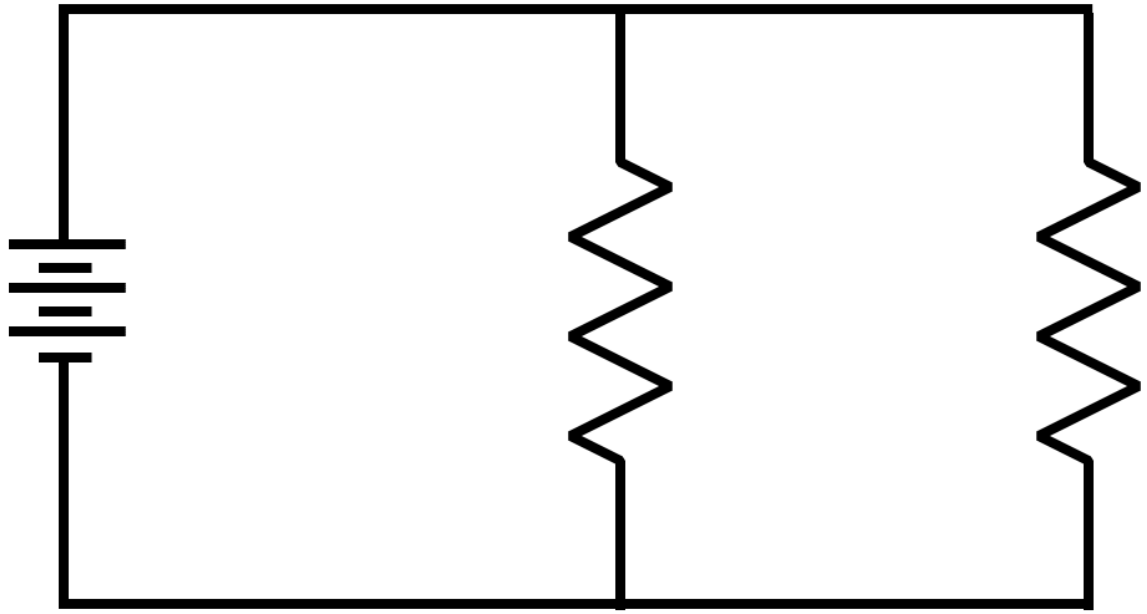
$E_T =$ 48 Volts $R_1 =$ 14.4 Ohms $I_2 =$ 8 Amps

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

Math

Rule

$P_1 =$
$E_1 =$ 48 Volts
$I_1 =$
$R_1 =$ 14.4 Ohms



$P_T =$
$E_T =$ 48 Volts
$I_T =$
$R_T =$

$P_2 =$
$E_2 =$ 48 Volts
$I_2 =$ 8 Amps
$R_2 =$

$E_T =$ 48 Volts $R_1 =$ 14.4 Ohms $I_2 =$ 8 Amps

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

Math

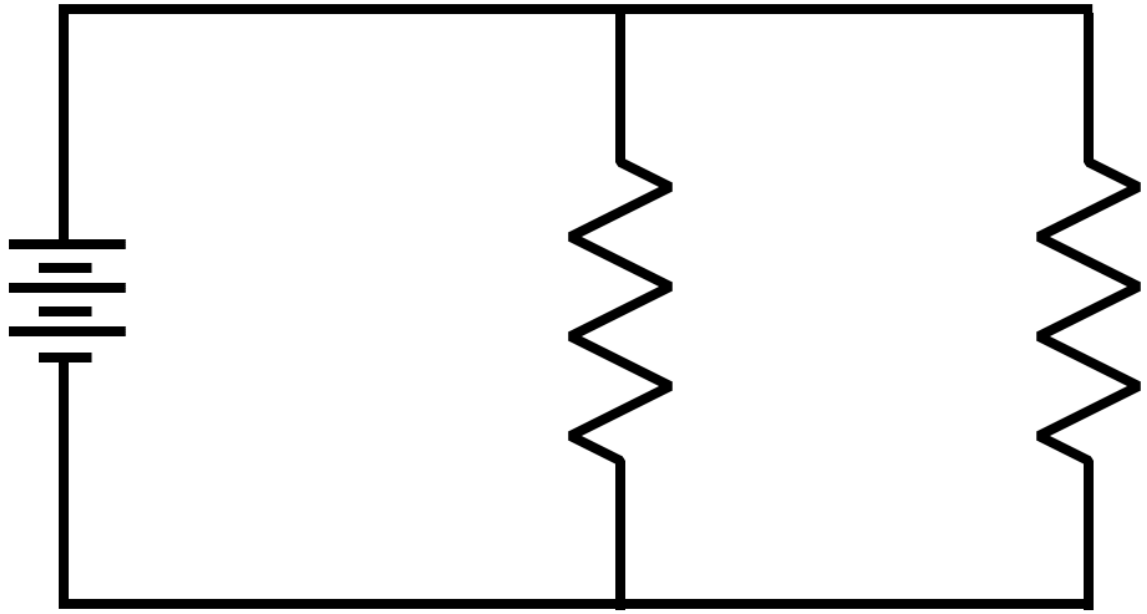
Rule

$P_1 =$

$E_1 =$ 48 Volts

$I_1 =$ 3.33 Amps

$R_1 =$ 14.4 Ohms



$P_T =$

$E_T =$ 48 Volts

$I_T =$

$R_T =$

$P_2 =$

$E_2 =$ 48 Volts

$I_2 =$ 8 Amps

$R_2 =$ 6 Ohms

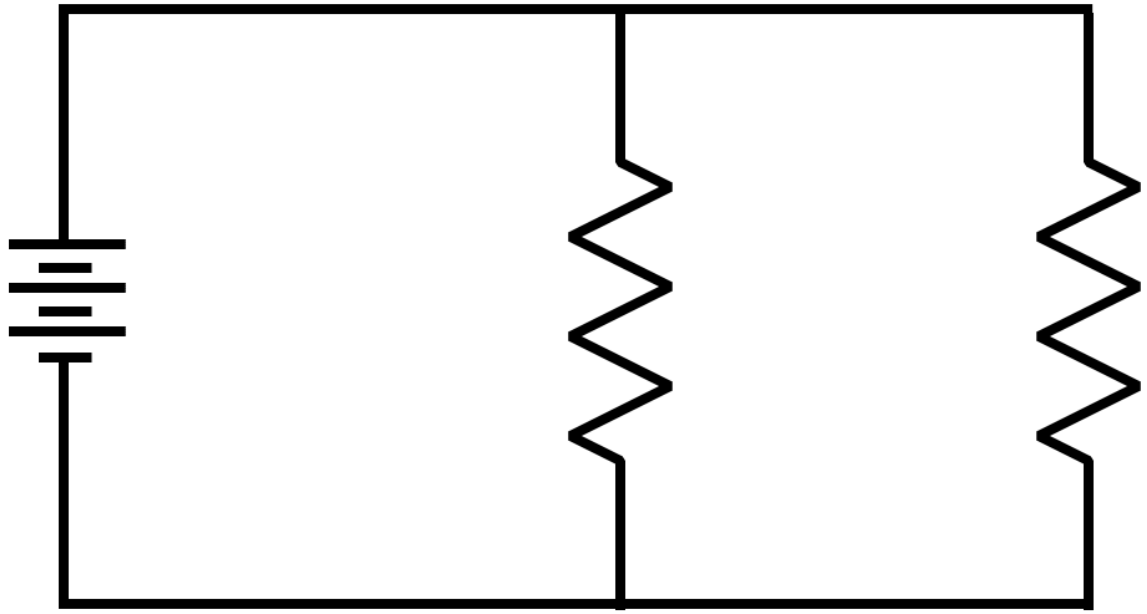
$E_T =$ 48 Volts $R_1 =$ 14.4 Ohms $I_2 =$ 8 Amps

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

Math

Rule

$P_1 =$ 159.84 Watts
$E_1 =$ 48 Volts
$I_1 =$ 3.33 Amps
$R_1 =$ 14.4 Ohms



$P_T =$
$E_T =$ 48 Volts
$I_T =$
$R_T =$

$P_2 =$ 384 Watts
$E_2 =$ 48 Volts
$I_2 =$ 8 Amps
$R_2 =$ 6 Ohms

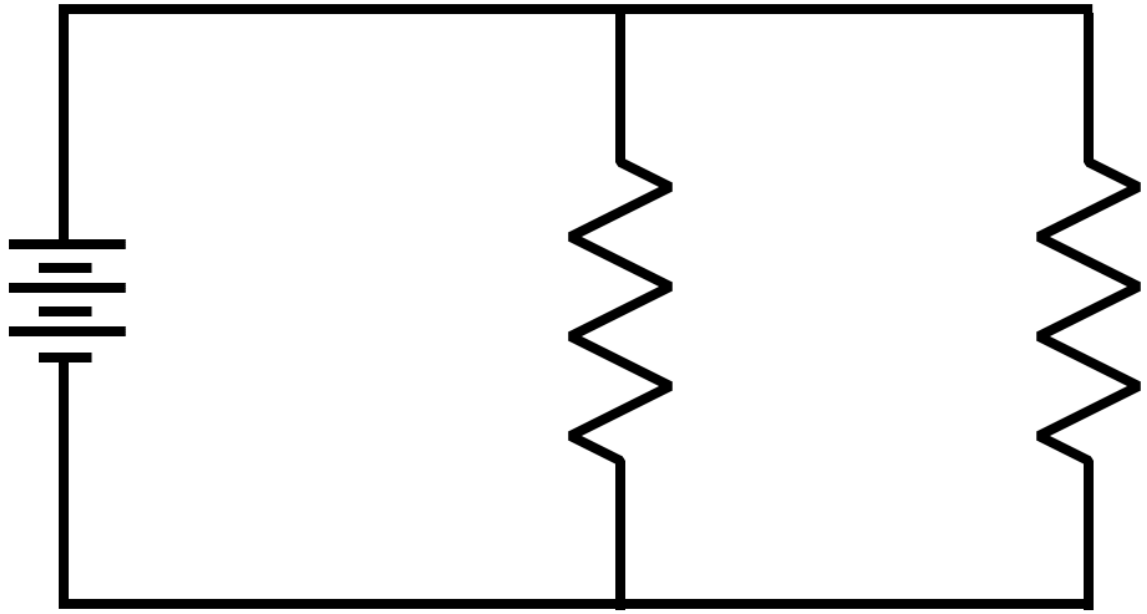
$E_T =$ 48 Volts $R_1 =$ 14.4 Ohms $I_2 =$ 8 Amps

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

Math

Rule

$P_1 = 159.84$ Watts
$E_1 = 48$ Volts
$I_1 = 3.33$ Amps
$R_1 = 14.4$ Ohms



$P_T =$
$E_T = 48$ Volts
$I_T = 11.33$ Amps
$R_T =$

$P_2 = 384$ Watts
$E_2 = 48$ Volts
$I_2 = 8$ Amps
$R_2 = 6$ Ohms

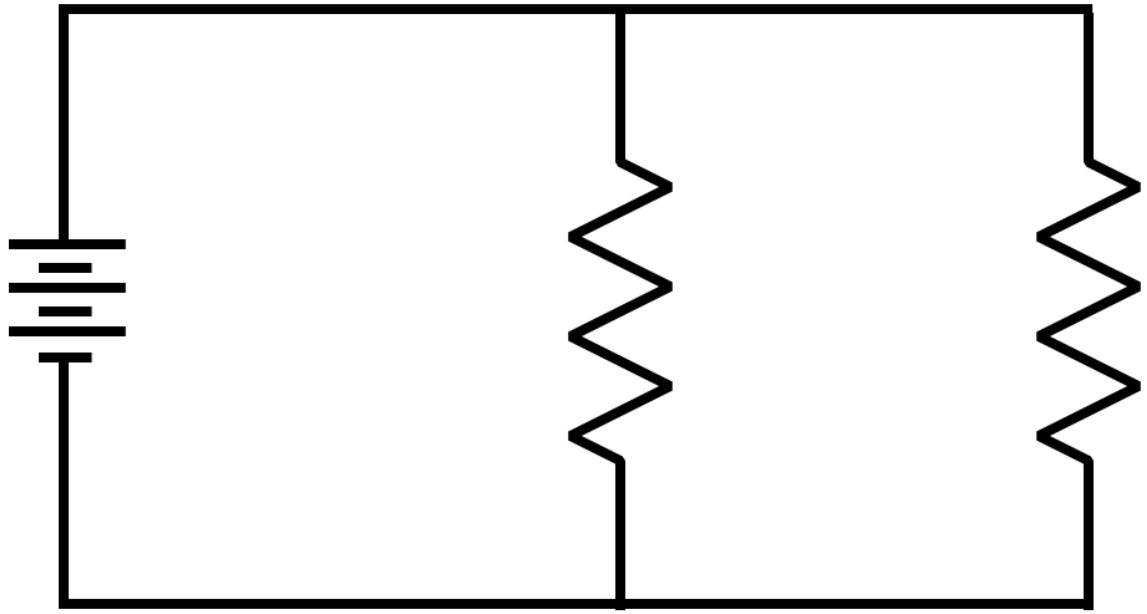
$E_T = 48$ Volts $R_1 = 14.4$ Ohms $I_2 = 8$ Amps

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

Math

Rule

$P_1 = 159.84$ Watts
$E_1 = 48$ Volts
$I_1 = 3.33$ Amps
$R_1 = 14.4$ Ohms



$P_T = 543.84$ Watts
$E_T = 48$ Volts
$I_T = 11.33$ Amps
$R_T = 4.24$ Ohms

$P_2 = 384$ Watts
$E_2 = 48$ Volts
$I_2 = 8$ Amps
$R_2 = 6$ Ohms

$E_T = 48$ Volts $R_1 = 14.4$ Ohms $I_2 = 8$ Amps

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