

Series Circuit Math - Example 7

Series Example 7

$$P_1 = 56.39 \text{ Watts}$$

$$E_1 = 26.23 \text{ Volts}$$

$$I_1 =$$

$$R_1 =$$

$$P_2 =$$

$$E_2 =$$

$$I_2 =$$

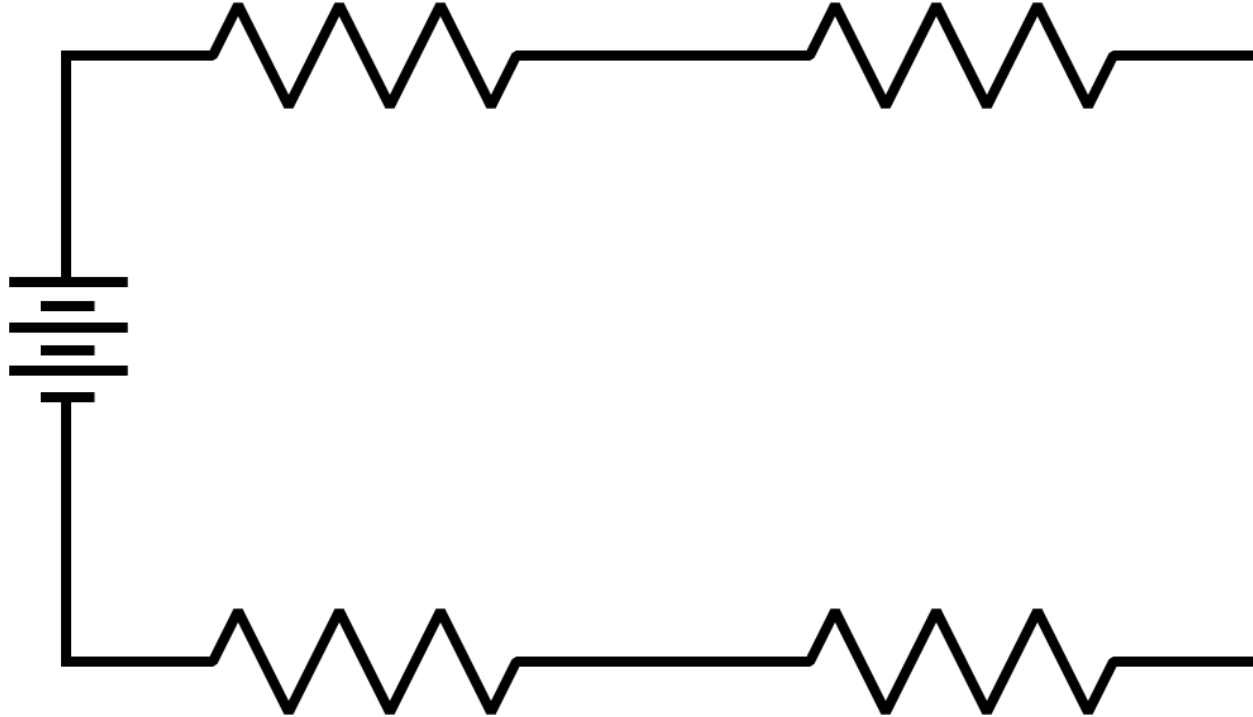
$$R_2 = 26 \text{ Ohms}$$

$$P_T =$$

$$E_T =$$

$$I_T =$$

$$R_T =$$



$$P_4 =$$

$$E_4 =$$

$$I_4 =$$

$$R_4 = 6 \text{ Ohms}$$

$$P_3 =$$

$$E_3 = 30.96 \text{ Volts}$$

$$I_3 =$$

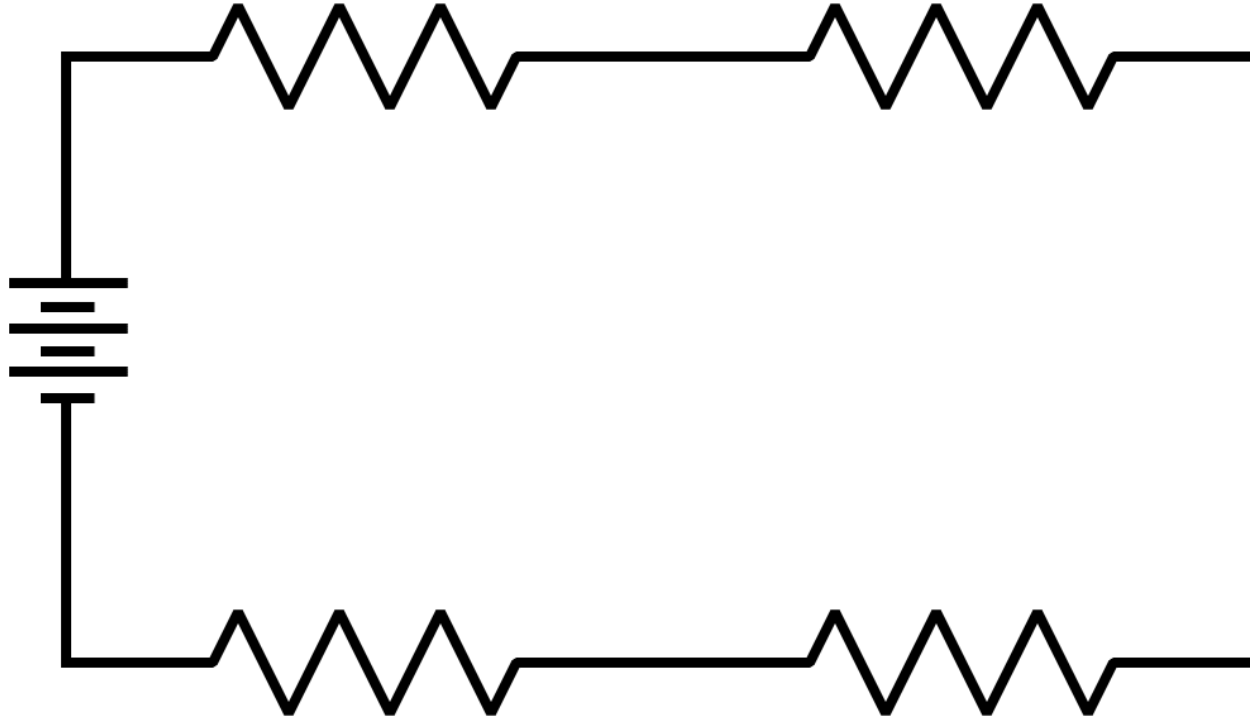
$$R_3 =$$

Series Example 7

$P_1 = 56.39$ Watts
 $E_1 = 26.23$ Volts
 $I_1 = 2.15$ Amps
 $R_1 = 12.2$ Ohms

$P_2 =$
 $E_2 =$
 $I_2 =$
 $R_2 = 26$ Ohms

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



$P_4 =$
 $E_4 =$
 $I_4 =$
 $R_4 = 6$ Ohms

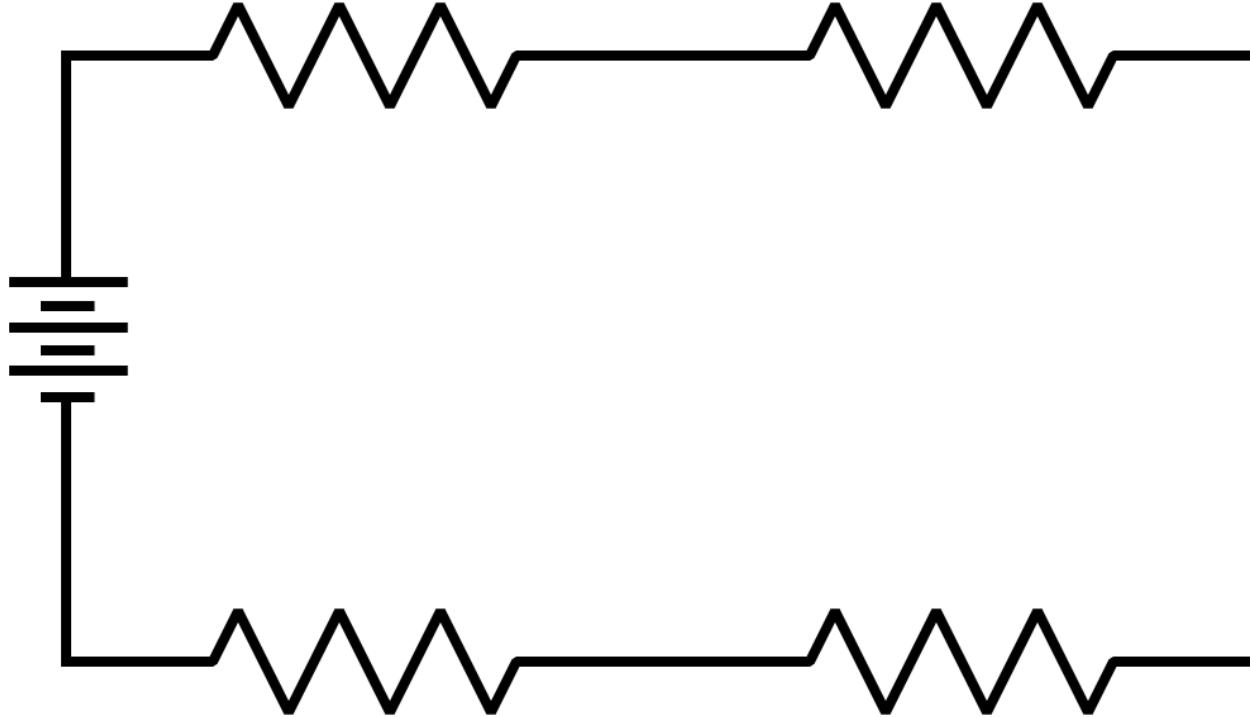
$P_3 =$
 $E_3 = 30.96$ Volts
 $I_3 =$
 $R_3 =$

Series Example 7

$P_1 = 56.39$ Watts
 $E_1 = 26.23$ Volts
 $I_1 = 2.15$ Amps
 $R_1 = 12.2$ Ohms

$P_2 =$
 $E_2 =$
 $I_2 = 2.15$ Amps
 $R_2 = 26$ Ohms

$P_T =$
 $E_T =$
 $I_T = 2.15$ Amps
 $R_T =$



$P_4 =$
 $E_4 =$
 $I_4 = 2.15$ Amps
 $R_4 = 6$ Ohms

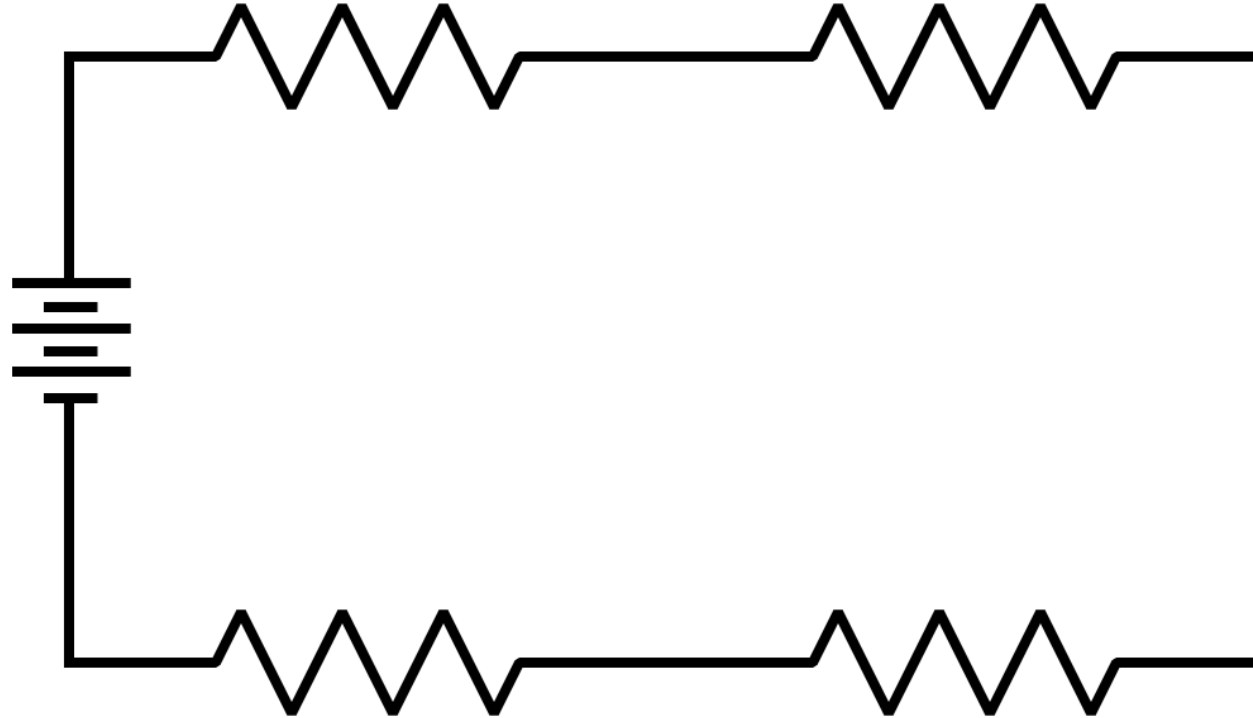
$P_3 =$
 $E_3 = 30.96$ Volts
 $I_3 = 2.15$ Amps
 $R_3 =$

Series Example 7

$P_1 = 56.39$ Watts
 $E_1 = 26.23$ Volts
 $I_1 = 2.15$ Amps
 $R_1 = 12.2$ Ohms

$P_2 = 120.19$ Watts
 $E_2 = 55.9$ Volts
 $I_2 = 2.15$ Amps
 $R_2 = 26$ Ohms

$P_T =$
 $E_T =$
 $I_T = 2.15$ Amps
 $R_T =$



$P_4 = 27.74$ Watts
 $E_4 = 12.9$ Volts
 $I_4 = 2.15$ Amps
 $R_4 = 6$ Ohms

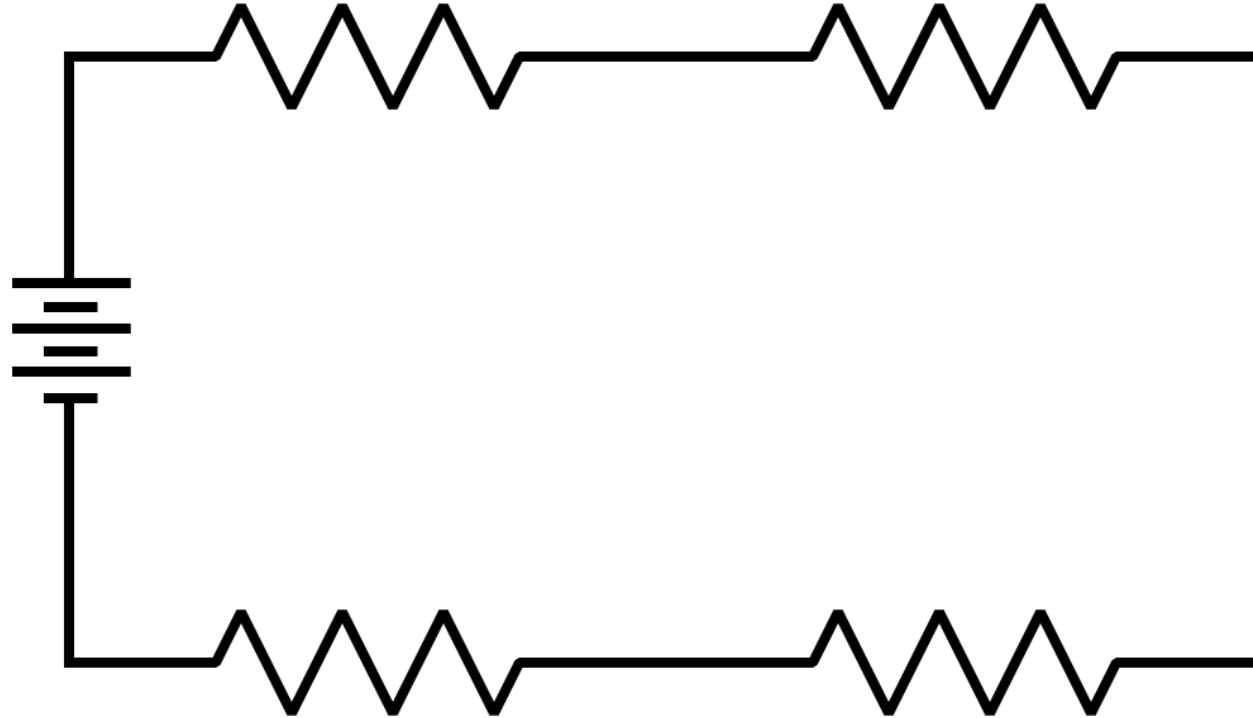
$P_3 = 66.56$ Watts
 $E_3 = 30.96$ Volts
 $I_3 = 2.15$ Amps
 $R_3 = 14.4$ Ohms

Series Example 7

$P_1 = 56.39$ Watts
 $E_1 = 26.23$ Volts
 $I_1 = 2.15$ Amps
 $R_1 = 12.2$ Ohms

$P_2 = 120.19$ Watts
 $E_2 = 55.9$ Volts
 $I_2 = 2.15$ Amps
 $R_2 = 26$ Ohms

$P_T =$
 $E_T =$
 $I_T = 2.15$ Amps
 $R_T = 58.6$ Ohms



$P_4 = 27.74$ Watts
 $E_4 = 12.9$ Volts
 $I_4 = 2.15$ Amps
 $R_4 = 6$ Ohms

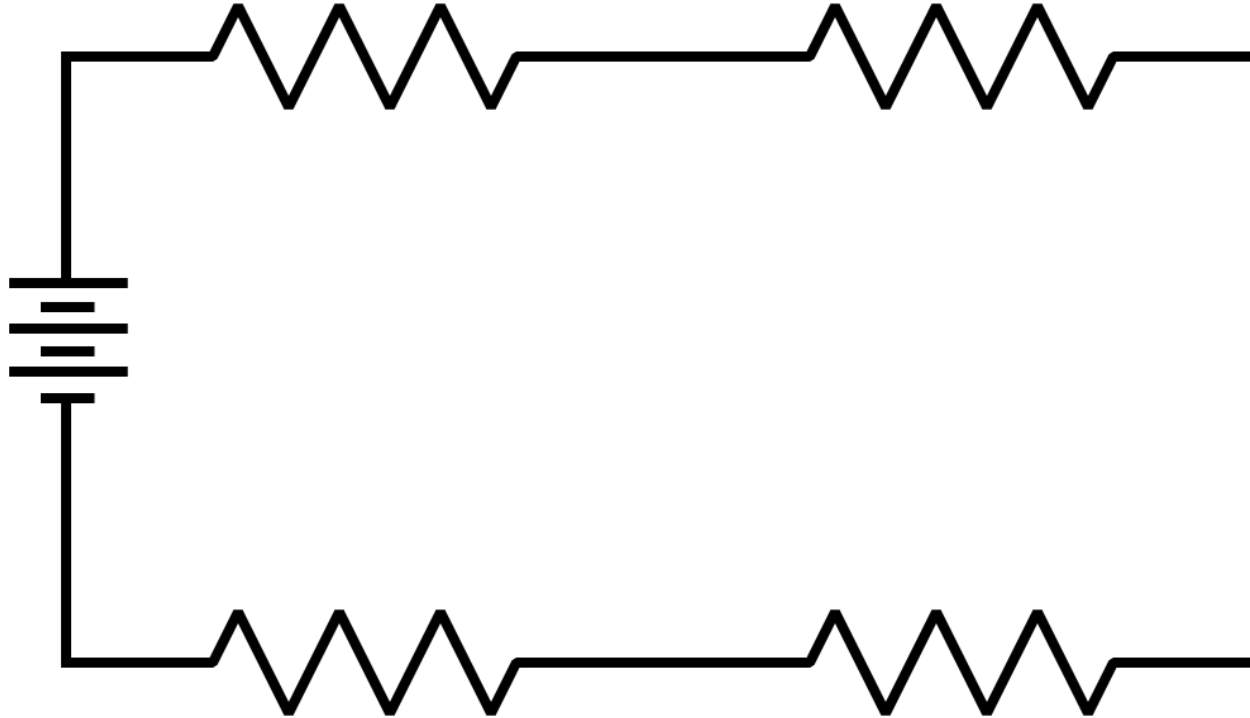
$P_3 = 66.56$ Watts
 $E_3 = 30.96$ Volts
 $I_3 = 2.15$ Amps
 $R_3 = 14.4$ Ohms

Series Example 7

$P_1 = 56.39$ Watts
 $E_1 = 26.23$ Volts
 $I_1 = 2.15$ Amps
 $R_1 = 12.2$ Ohms

$P_2 = 120.19$ Watts
 $E_2 = 55.9$ Volts
 $I_2 = 2.15$ Amps
 $R_2 = 26$ Ohms

$P_T = 270.88$ Watts
 $E_T = 125.99$ Volts
 $I_T = 2.15$ Amps
 $R_T = 58.6$ Ohms



$P_4 = 27.74$ Watts
 $E_4 = 12.9$ Volts
 $I_4 = 2.15$ Amps
 $R_4 = 6$ Ohms

$P_3 = 66.56$ Watts
 $E_3 = 30.96$ Volts
 $I_3 = 2.15$ Amps
 $R_3 = 14.4$ Ohms