

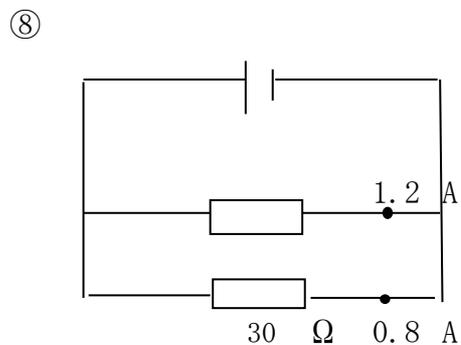
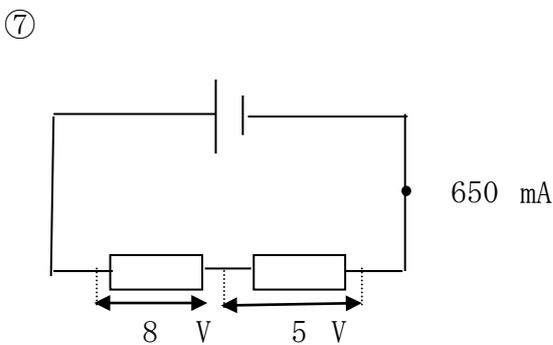
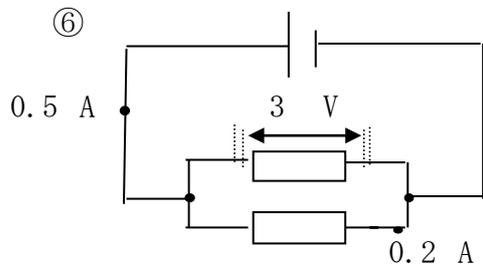
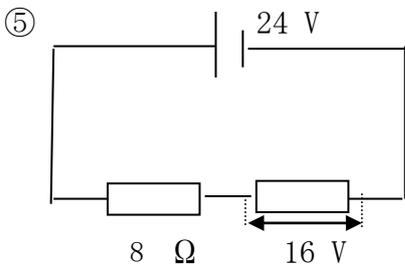
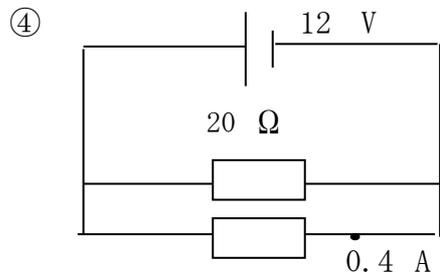
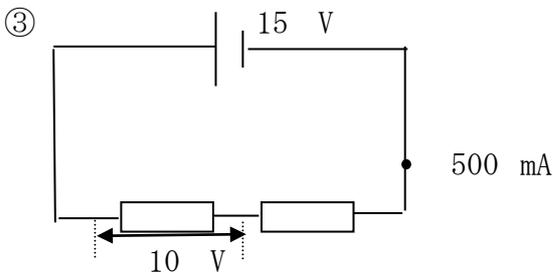
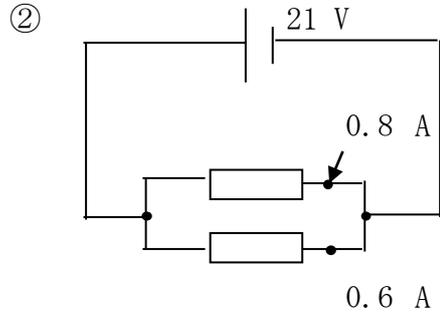
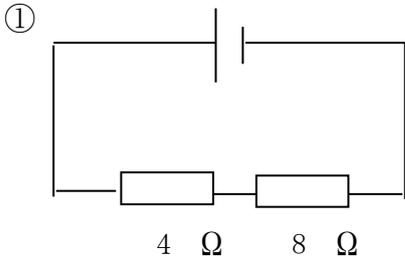
回路全体の抵抗

NO. 2

名前

/ 8 点

◆ 次の回路全体の抵抗の大きさを答えなさい。



解答

$$\textcircled{1} \quad 4 + 8 = 12 \quad \Omega$$

$$\textcircled{2} \quad 21 \div (0.8 + 0.6) = 15 \quad \Omega$$

$$\textcircled{3} \quad 15 \div 0.5 = 30 \quad \Omega$$

$$\textcircled{4} \quad 12 \div 20 = 0.6 \text{ A} \quad \leftarrow \text{上の抵抗に流れる電流}$$

$$0.4 + 0.6 = 1 \text{ A} \quad \leftarrow \text{全体の電流}$$

$$12 \div 1 = 12 \quad \Omega$$

$$\textcircled{5} \quad 24 - 16 = 8 \text{ V}$$

$$8 \div 8 = 1 \text{ A} \quad \leftarrow \text{回路全体の電流}$$

$$24 \div 1 = 24 \quad \Omega$$

$$\textcircled{6} \quad 3 \div 0.5 = 6 \quad \Omega$$

$$\textcircled{7} \quad 8 + 5 = 13 \text{ V} \quad \leftarrow \text{全体の電圧}$$

$$13 \div 0.65 = 20 \quad \Omega$$

$$\textcircled{8} \quad 0.8 \times 30 = 24 \text{ V} \quad \leftarrow \text{全体の電圧}$$

$$1.2 + 0.8 = 2 \text{ A} \quad \leftarrow \text{全体の電流}$$

$$24 \div 2 = 12 \quad \Omega$$