

Revision Worksheet Grade 8

1. Define Ohm's Law? Write its mathematical expression.

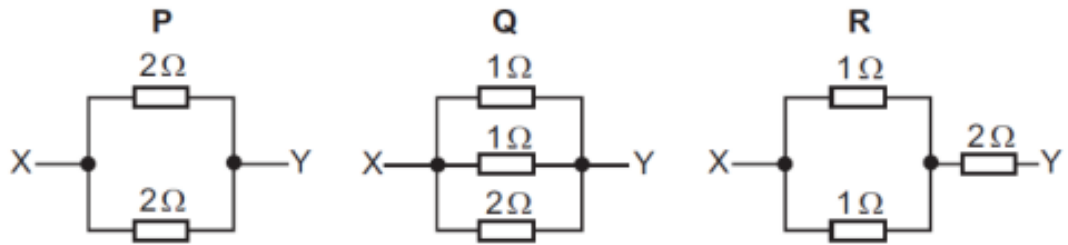
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2. Find the Equivalent resistance between X and Y in the given circuits P, Q and R.



P:

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Q:

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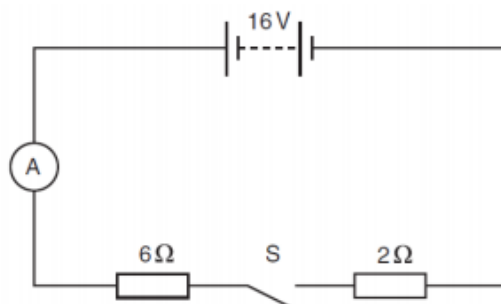
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R:

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3. The following circuit shows a 16 V battery connected to two resistors of 6Ω and 2Ω .



i. Find the Equivalent Resistance of the given circuit.

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ii. Find the Reading on Ammeter A when,

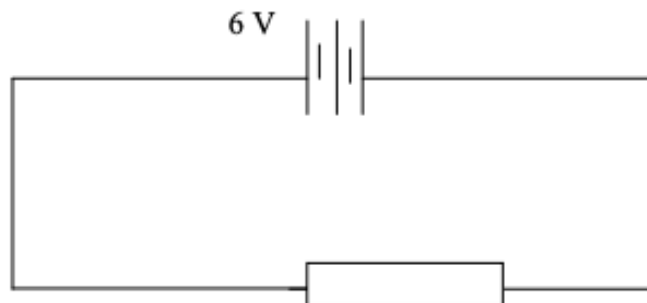
a) When the switch S is open.

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b) When Switch S is closed.

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4. Fig shows a battery with a resistor connected across its terminals. The voltage across the battery is 6.0 V.



The battery causes 90 C of charge to flow through the circuit in 45 s.

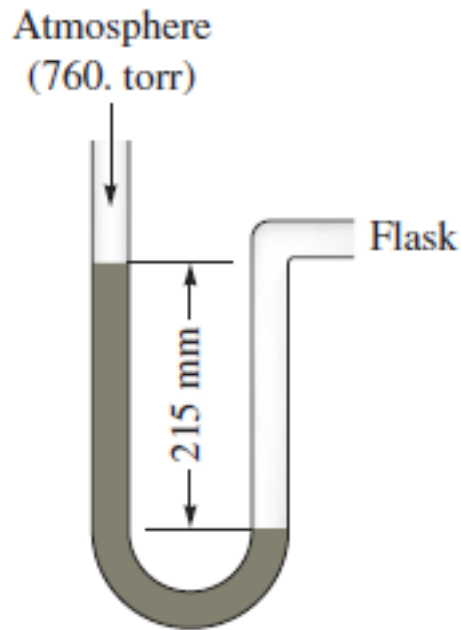
i. Calculate current through the circuit.

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ii. The value of resistance of the circuit.

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5. The diagram shows a Manometer. One side is connected to a flask and other side is open to atmosphere. (760 torr = 760 mm of Hg)



- i. State on which side the pressure is more.

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- ii. What is the value of pressure difference between the Flask and Open end?

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- iii. What is the actual value of pressure acting on flask?

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6. What happens when a glass rod is rubbed with a silk cloth?

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