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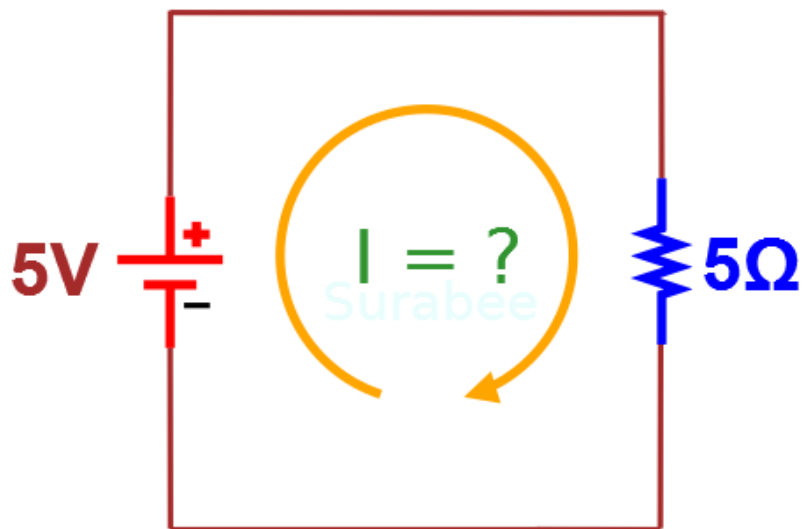
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Electrical Problem – 1

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.




$$\begin{aligned} I &= V/R \\ I &= 5/5 \\ I &= 1A \end{aligned}$$



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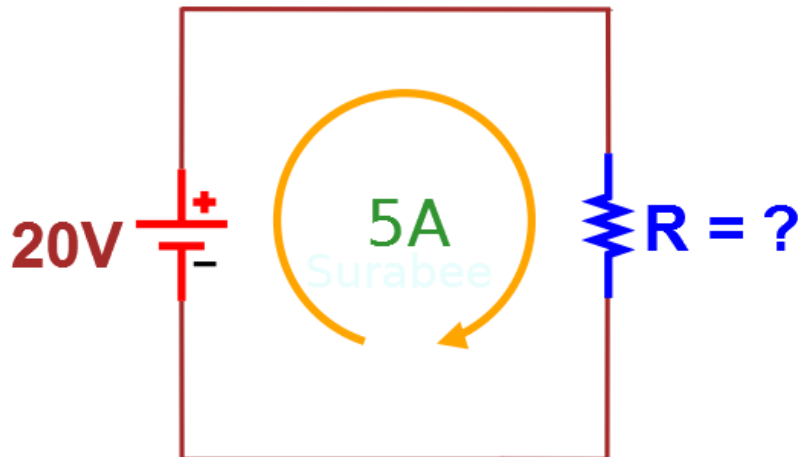
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Electrical Problem – 2

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.




$$\begin{aligned} R &= V/I \\ R &= 20/5 \\ R &= 4\Omega \end{aligned}$$



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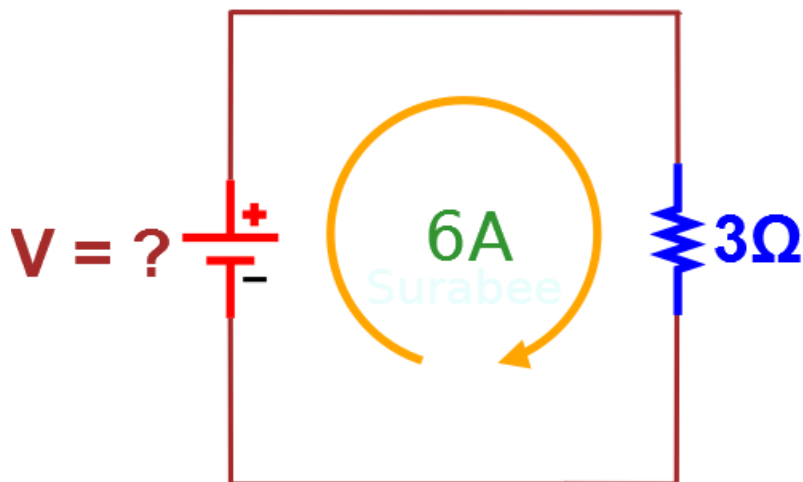
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Electrical Problem – 3

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.



$$\begin{aligned} V &= I \cdot R \\ V &= 6 \cdot 3 \\ V &= 18V \end{aligned}$$



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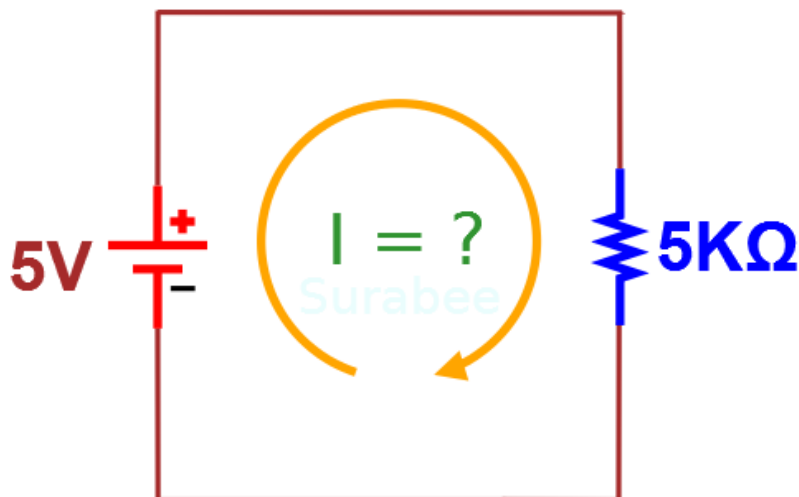
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Electrical Problem – 4

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.



$$\begin{aligned} I &= V/R \\ I &= 5/5000 \\ I &= 1\text{mA} \end{aligned}$$



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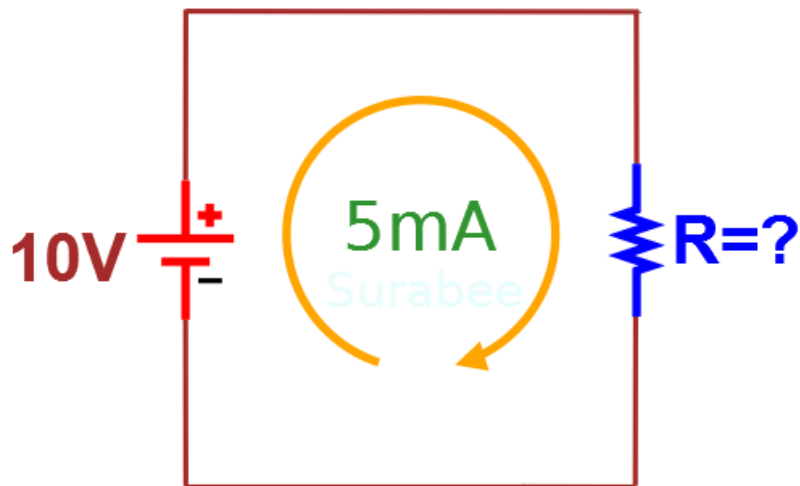
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Electrical Problem – 5

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.




$$\begin{aligned} R &= V/I \\ R &= 10/0.005 \\ R &= 2\text{k}\Omega \end{aligned}$$



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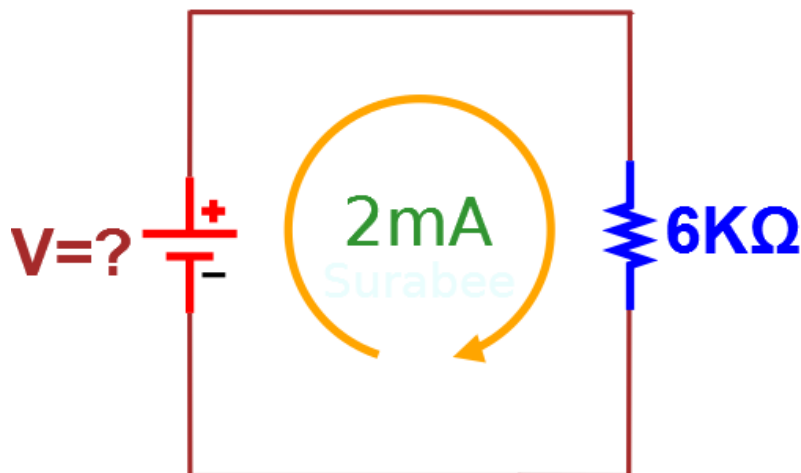
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Electrical Problem – 6

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.



$$\begin{aligned} V &= IR \\ V &= 0.002 * 6000 \\ V &= 12V \end{aligned}$$



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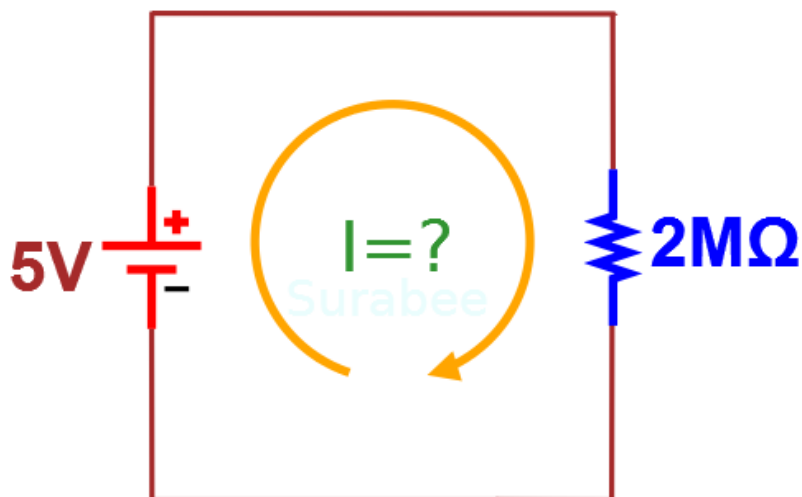
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Electrical Problem – 7

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.



$$\begin{aligned} I &= V/R \\ I &= 5/2000000 \\ I &= 2.5\mu A \end{aligned}$$



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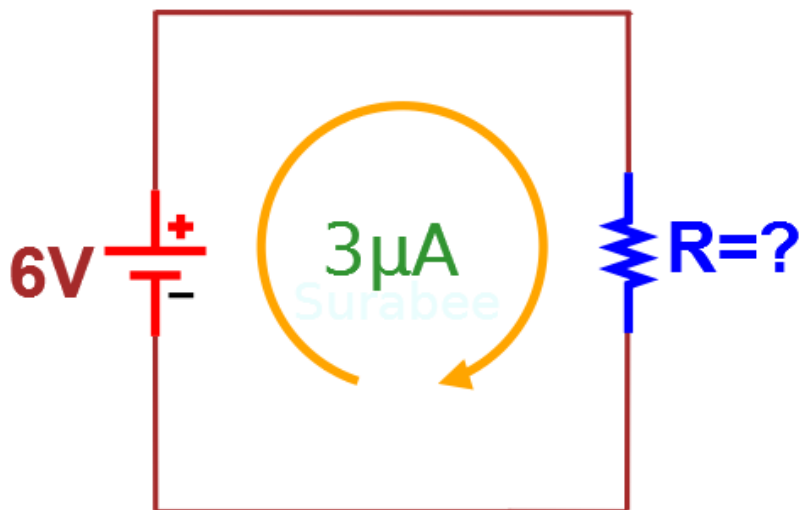
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Electrical Problem – 8

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.



$$\begin{aligned} R &= V/I \\ R &= 6/0.000003 \\ R &= 2\text{M}\Omega \end{aligned}$$



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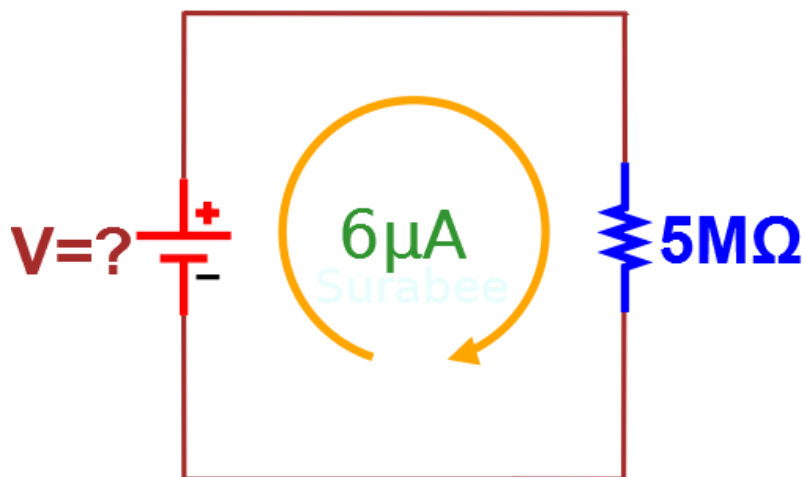
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Electrical Problem – 9

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.




$$\begin{aligned} V &= I \cdot R \\ V &= 0.000006 \cdot 5000000 \\ V &= 30V \end{aligned}$$



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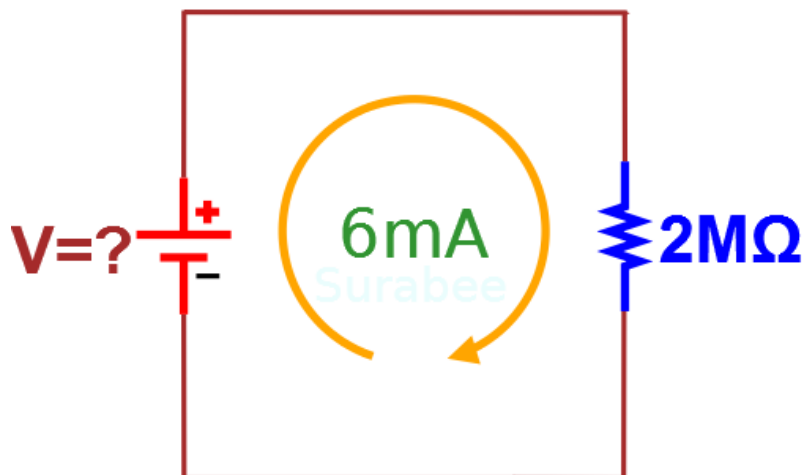
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Electrical Problem – 10

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.



$$\begin{aligned} V &= I \cdot R \\ V &= 0.006 \cdot 2000000 \\ V &= 12\text{kV} \end{aligned}$$