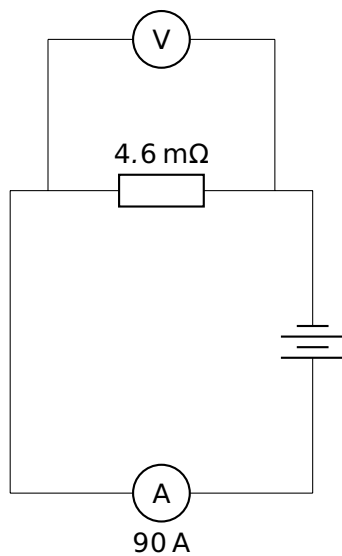
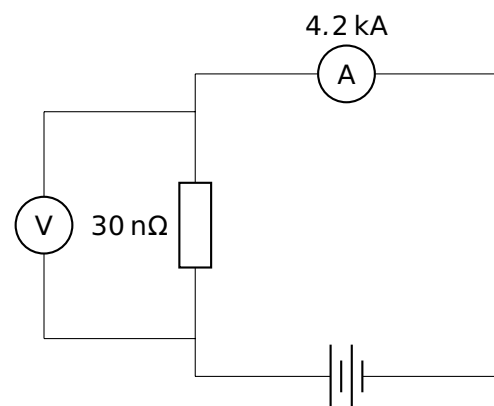


Calculate the potential difference measured by the voltmeter in each of the following circuits;

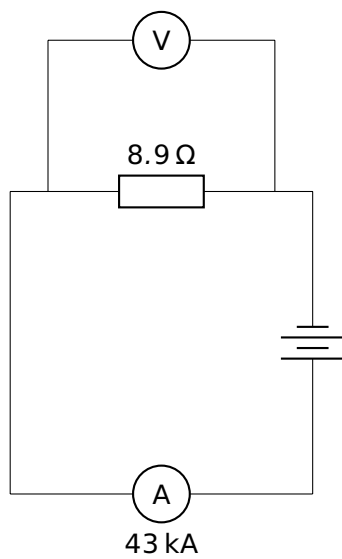
1 )



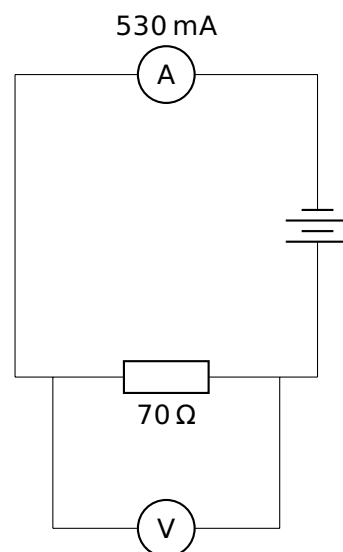
2 )



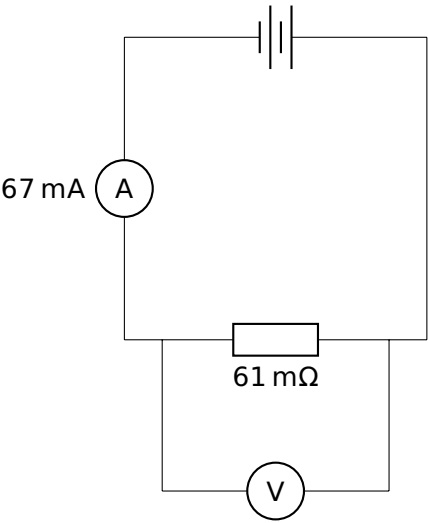
3 )



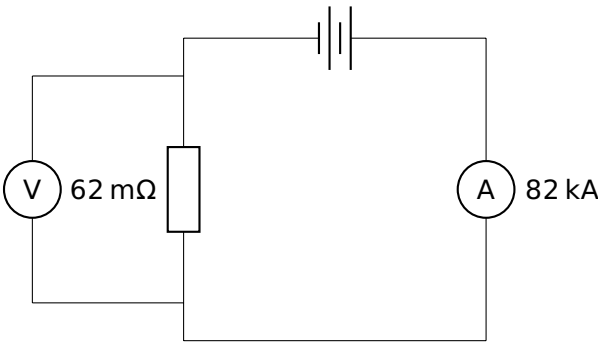
4 )



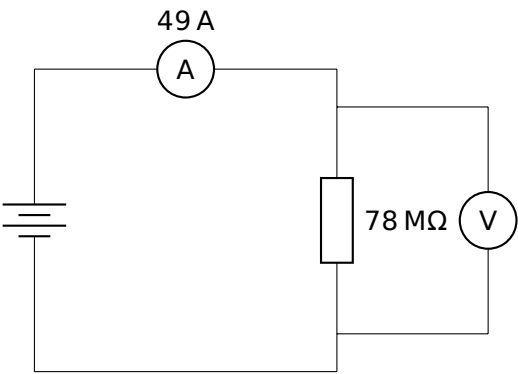
5 )



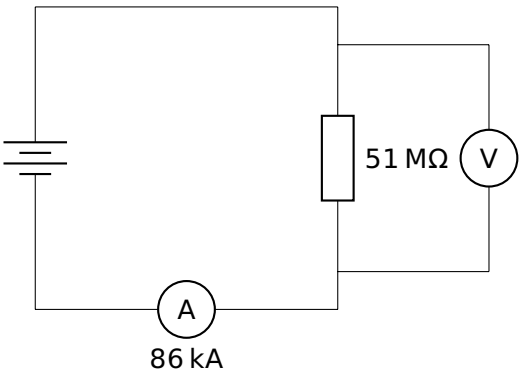
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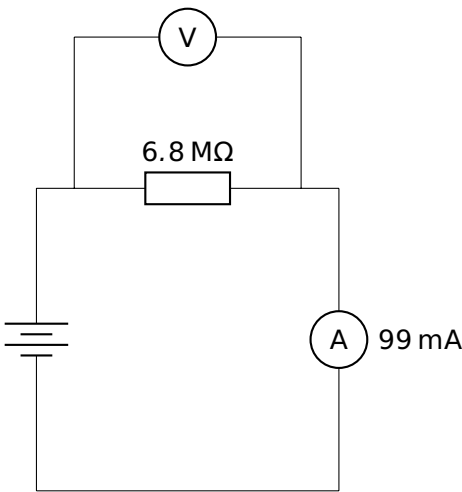
7 )



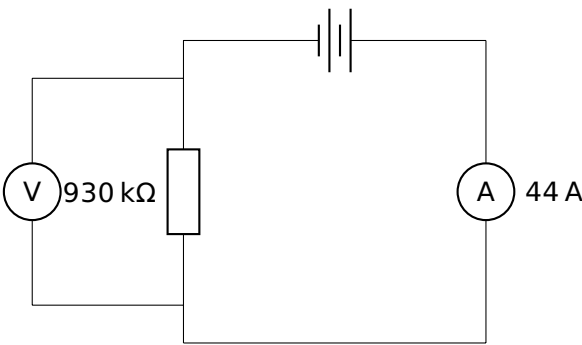
8 )



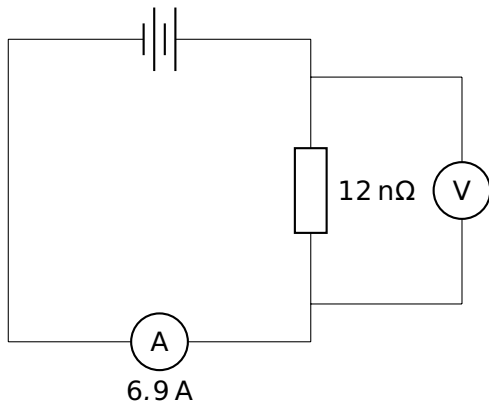
9 )



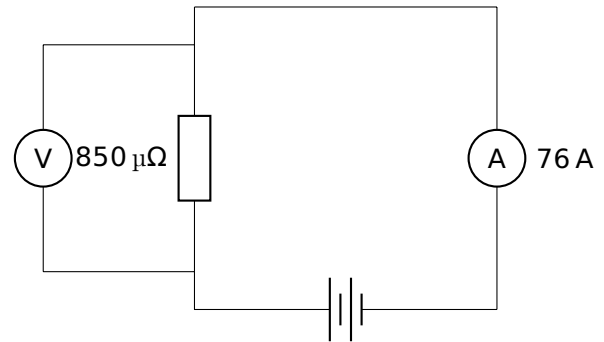
10 )



11 )



12 )



**Answers**

- 1)  $V = 410 \text{ mV}$
- 2)  $V = 130 \mu\text{V}$
- 3)  $V = 380 \text{ kV}$
- 4)  $V = 37 \text{ V}$
- 5)  $V = 4.1 \text{ mV}$
- 6)  $V = 5.1 \text{ kV}$
- 7)  $V = 3.8 \text{ GV}$
- 8)  $V = 4.4 \text{ TV}$
- 9)  $V = 670 \text{ kV}$
- 10)  $V = 41 \text{ MV}$
- 11)  $V = 83 \text{ nV}$
- 12)  $V = 65 \text{ mV}$