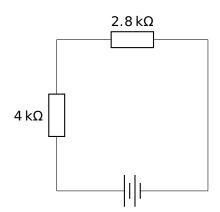
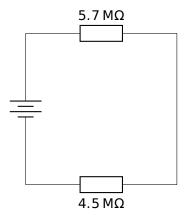
Series - Resistance Circuits

Calculate the total resistance in each of the following circuits;

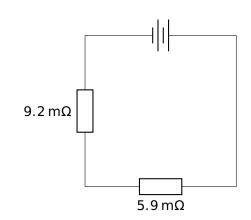
1)



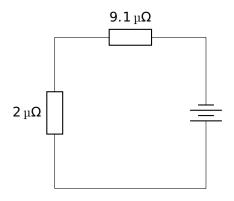
2)



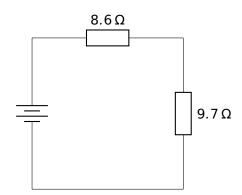
3)



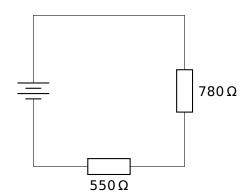
4)



5)

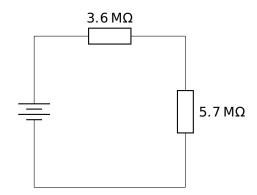


6)

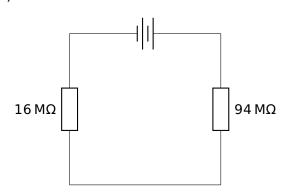


Series - Resistance Circuits

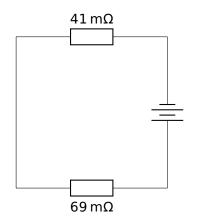
7)



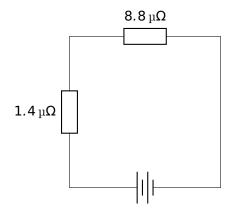
8)



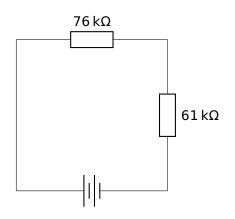
9)



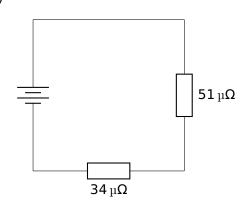
10)



11)



12)



Circuits Series - Resistance

## **Answers**

- 1)  $R = 6.8 \,\mathrm{k}\Omega$
- 2)  $R = 10 M\Omega$
- 3)  $R = 15 \,\mathrm{m}\Omega$
- 4)  $R = 11 \mu\Omega$ 5)  $R = 18 \Omega$
- 6)  $R = 1.3 \, \text{k}\Omega$
- 7)  $R = 9.3 \,\text{M}\Omega$
- 8)  $R = 110 \,\mathrm{M}\Omega$
- 9)  $R = 110 \,\mathrm{m}\Omega$
- 10)  $R = 10 \,\mu\Omega$
- 11)  $R = 140 \,\mathrm{k}\Omega$
- 12)  $R = 85 \,\mu\Omega$