

1. A pupil investigated voltage and current in a series circuit. After the experiment he had the following table.

Voltage (V)	Current (A)
1.5	0.2
3.0	0.4
4.5	0.6
6.0	0.8
7.5	1.0

i) Put this information in a labelled graph.

ii) Write down the trend.

iii) Predict what the current would be if 2.5 V were used.

2. A pupil investigated number of bulbs and current in a series circuit. After the experiment she had the following table.

Bulb #	Current (A)
2	1.0
4	0.8
6	0.6
8	0.4
10	0.2

i) Put this information in a labelled graph.

ii) Write down the trend.

iii) Predict what the current would be if 3 bulbs were used.