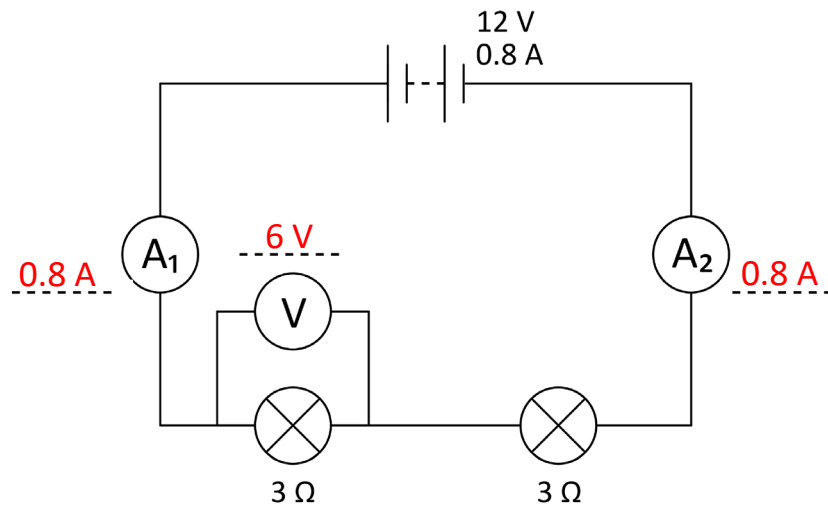


Missing circuit values

Mark Scheme

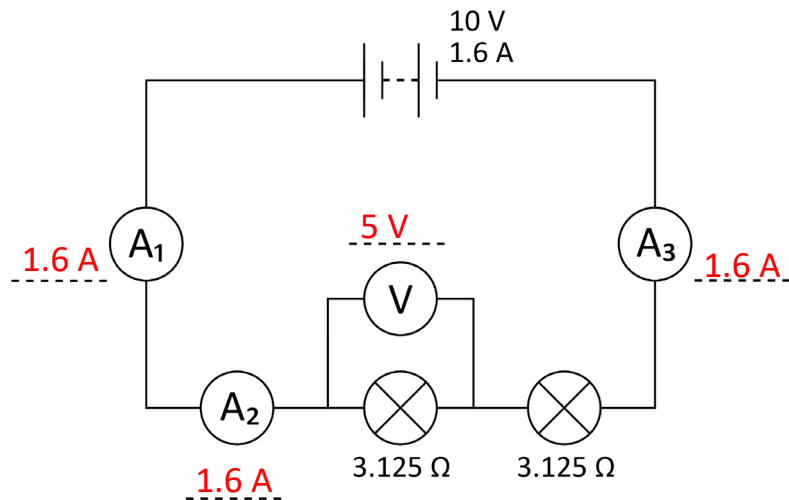
www.scienceexamssorted.co.uk

1. A student needed to complete a number of experiments involving circuits.
 - a. The student set up the following series circuit. Complete the missing values in the figure below.



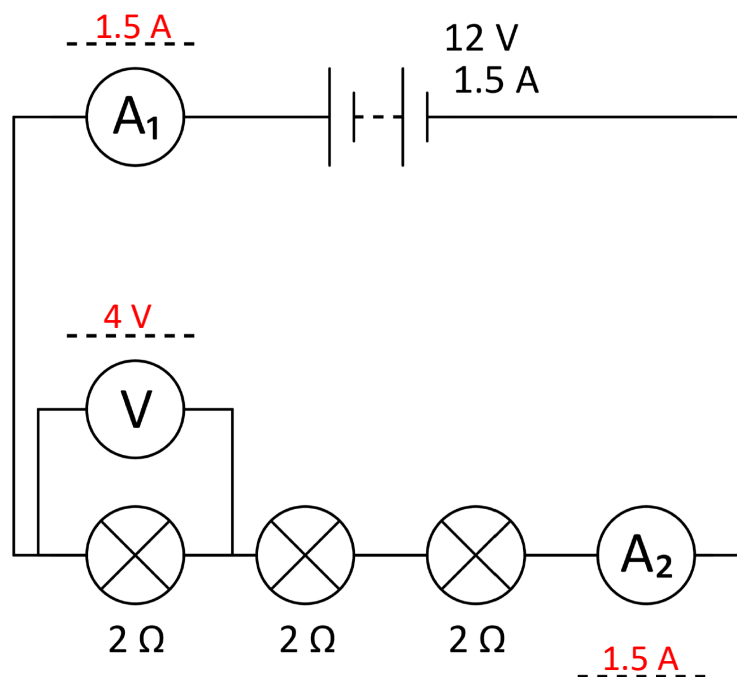
(3 marks)

- b. The student set up a different series circuit as shown below. Complete the missing values in the figure below.



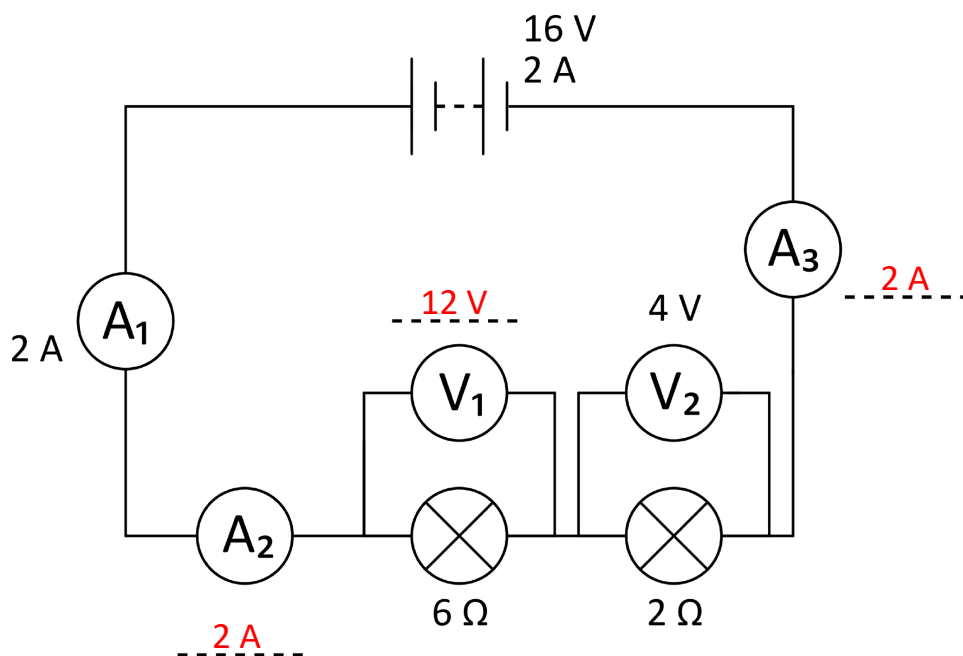
(4 marks)

c. A different student set up the following series circuit. Complete the missing values in the figure below.



(3 marks)

d. The student then set up the following series circuit. Complete the missing values in the figure below.

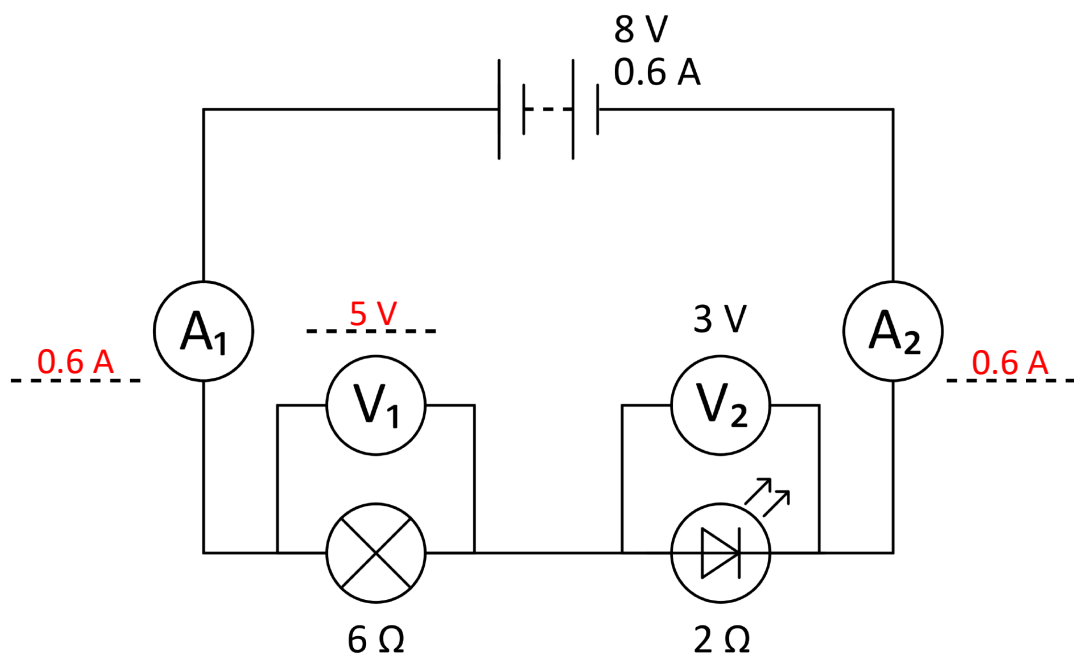


(3 marks)

(Total for Question 1 is 13 marks)

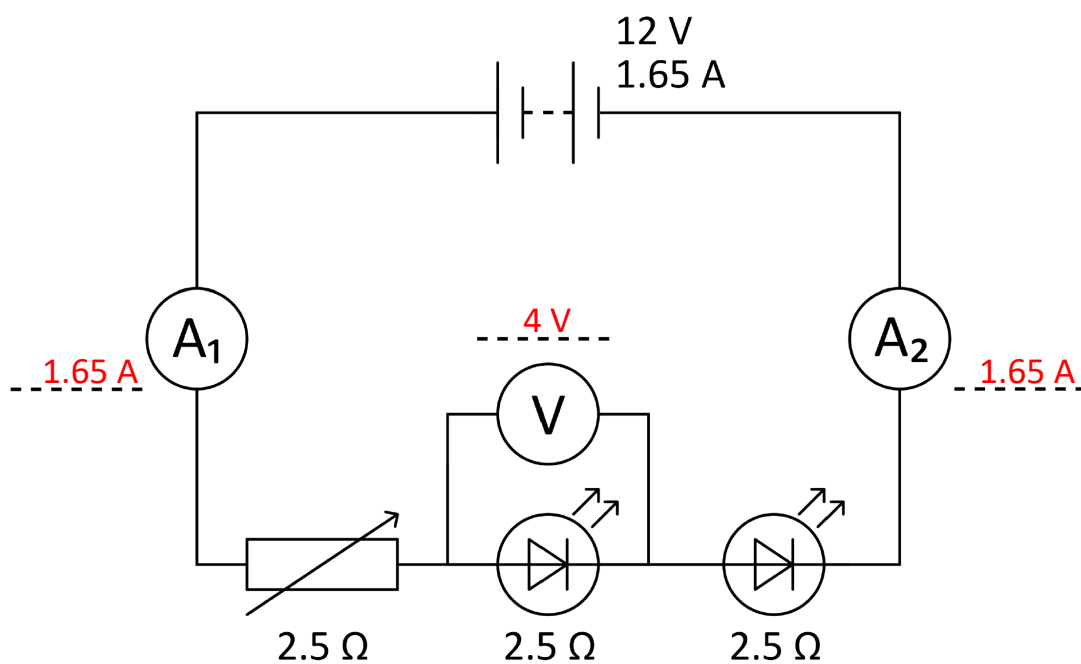
2. The following question is about missing values on series circuits.

a. Complete the missing values in the figure below.



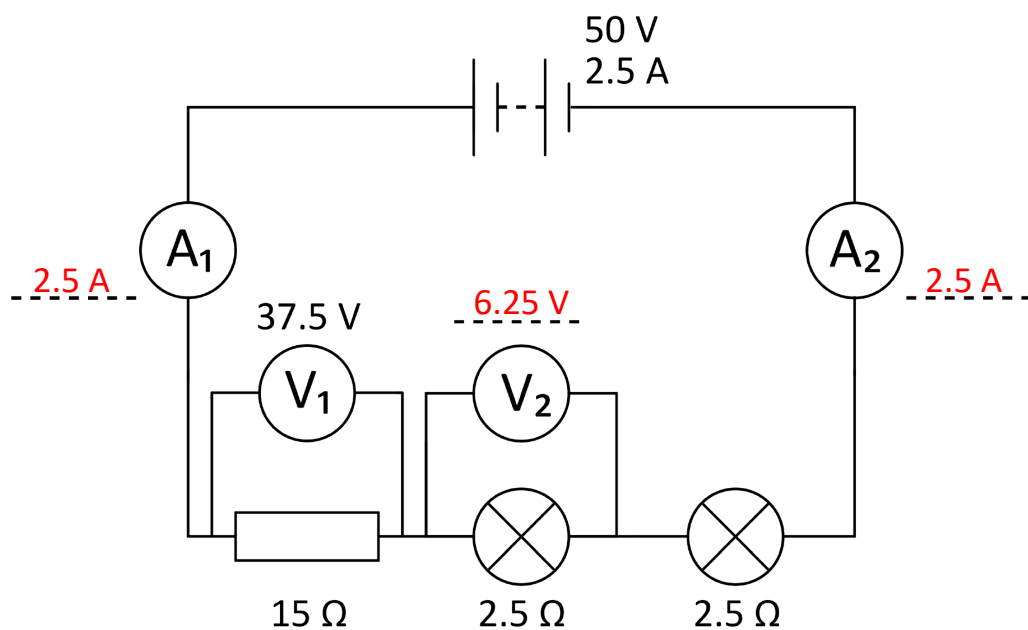
(4 marks)

b. Complete the missing values for the figure of the series circuit below.



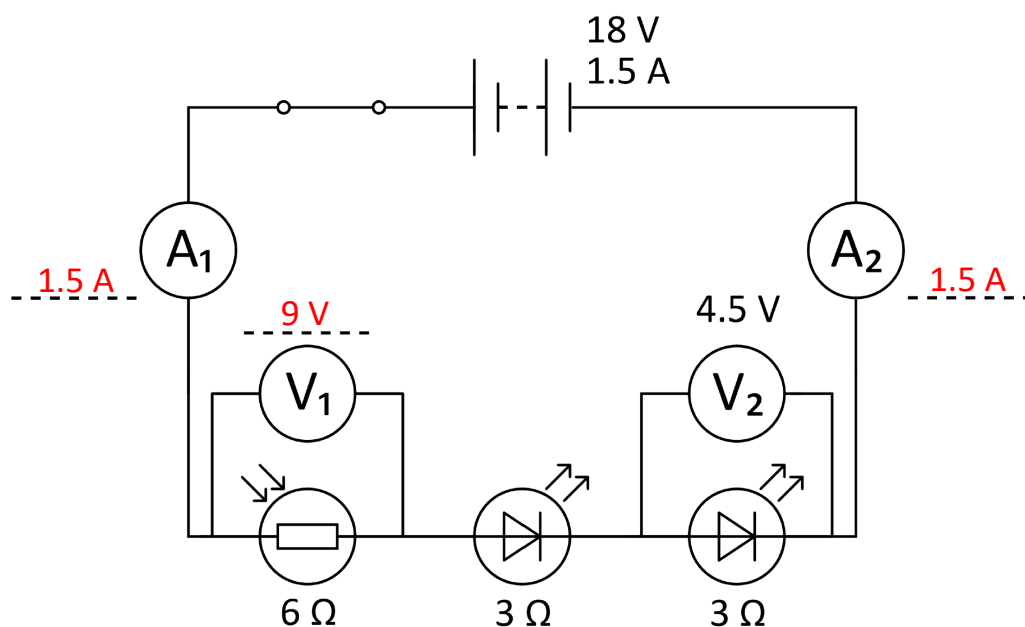
(3 marks)

c. Complete the missing values for the figure of the series circuit below.



(3 marks)

d. Complete the missing values for the figure of the series circuit below.

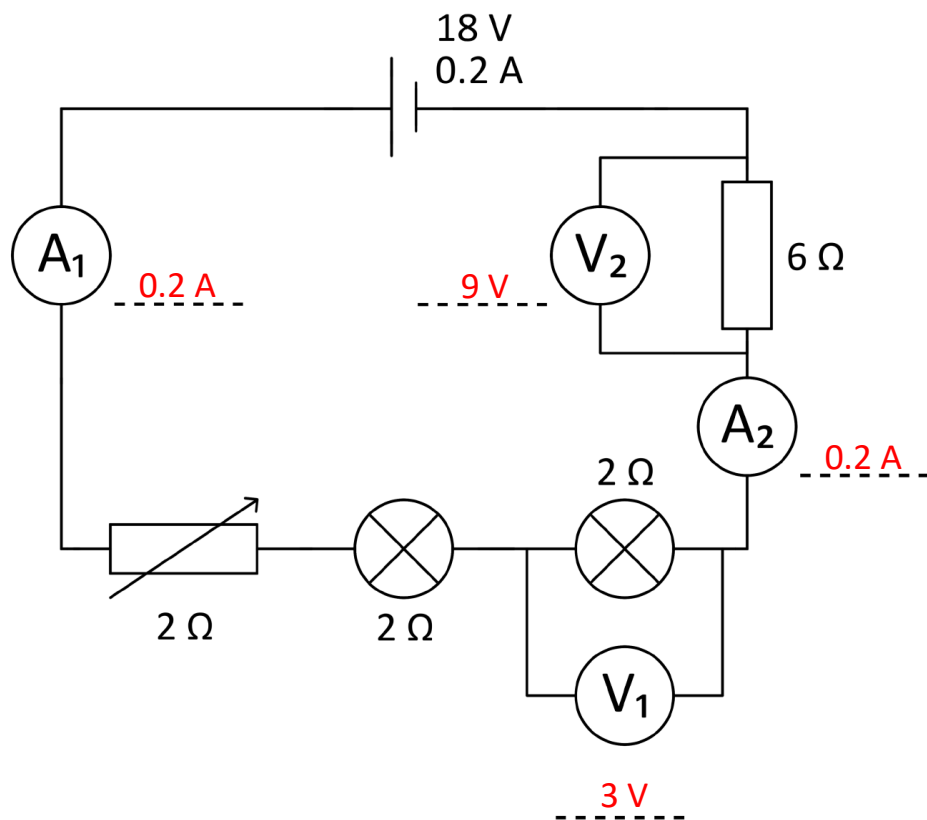


(3 marks)

(Total for Question 2 is 13 marks)

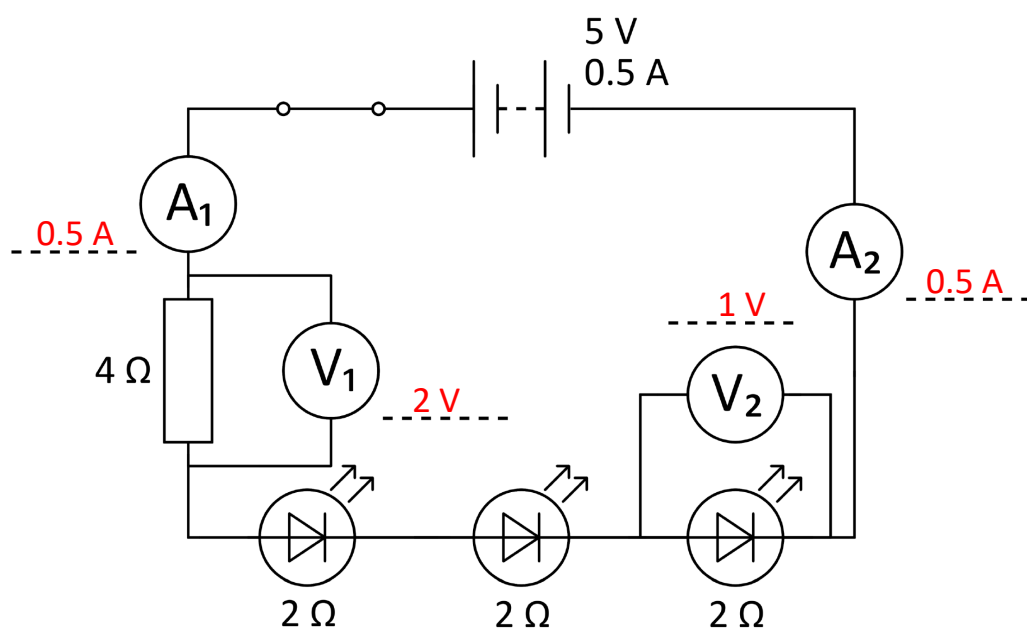
3. The following question is about missing values on series and parallel circuits.

a. Complete the missing values in the figure below.



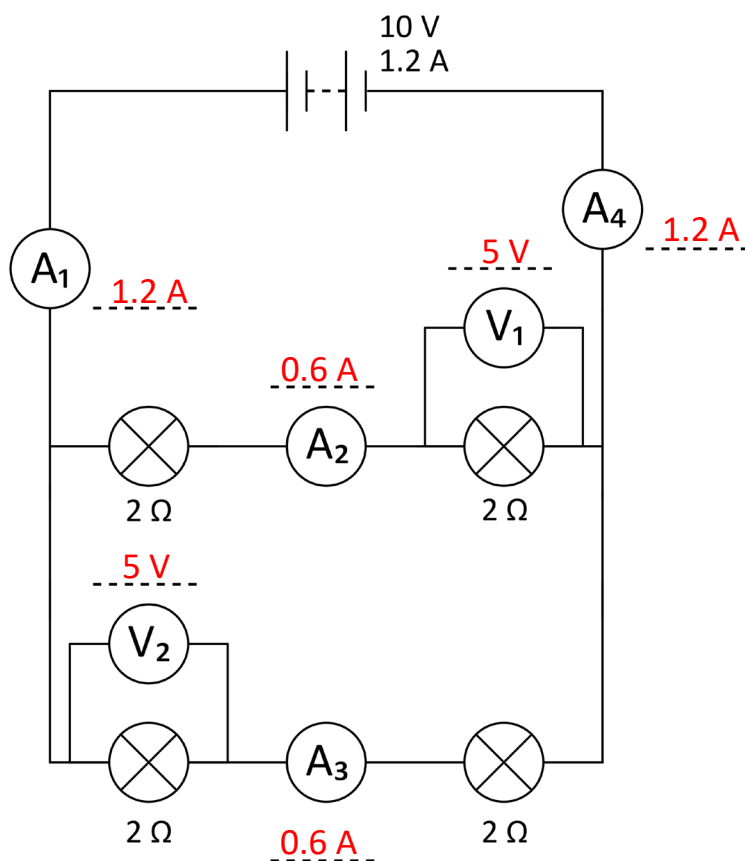
(4 marks)

b. A student set up the following series circuit. Complete the missing values in the figure below.



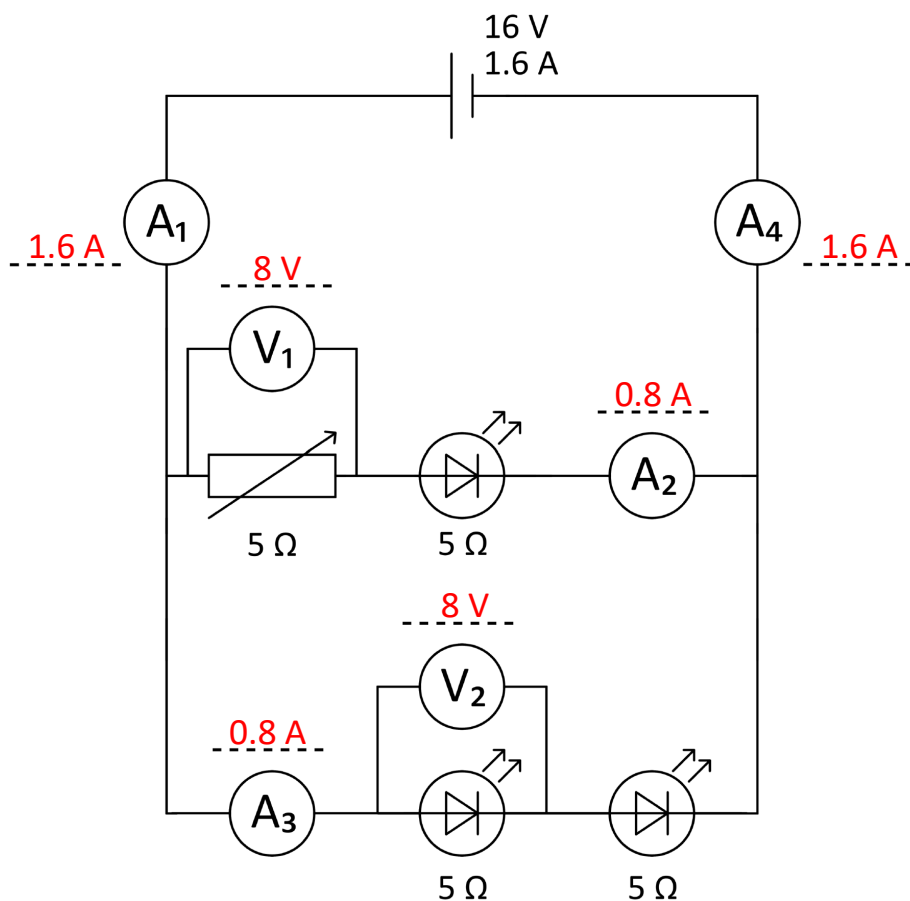
(4 marks)

c. Complete the missing values in the figure below.



(4 marks)

d. Complete the missing values in the figure below.

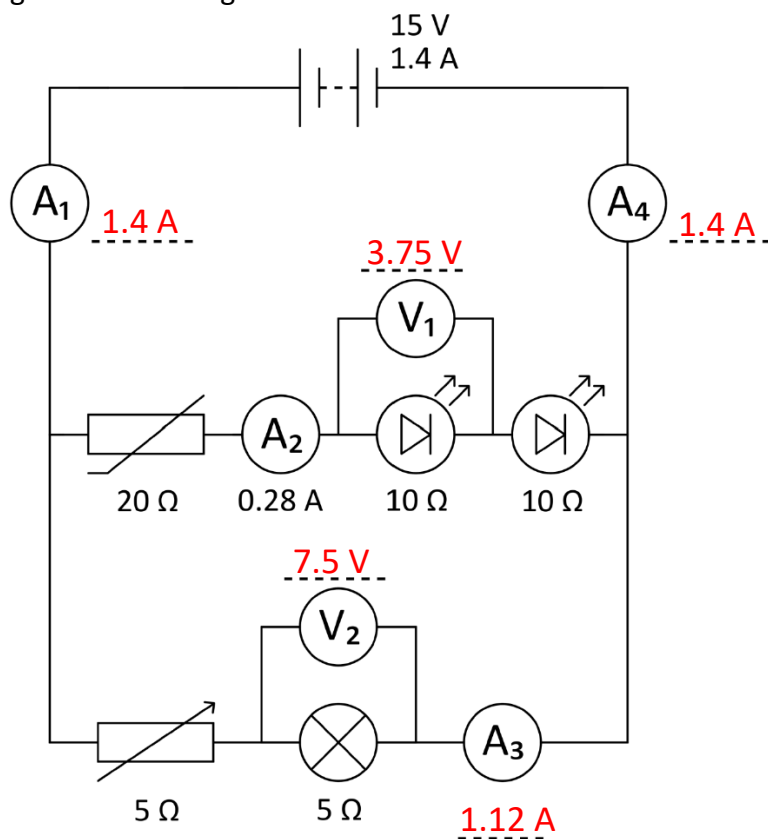


(6 marks)

(Total for Question 3 is 18 marks)

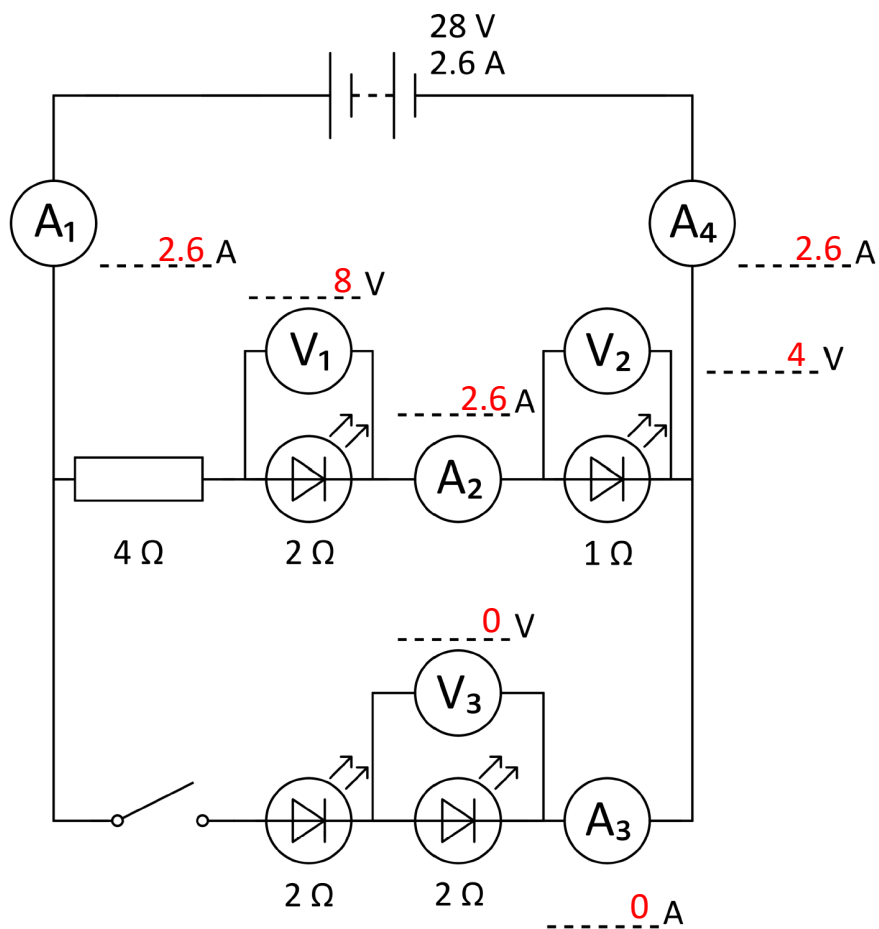
4. The following question is about missing values on parallel circuits.

a. Complete the missing values in the figure below.



(5 marks)

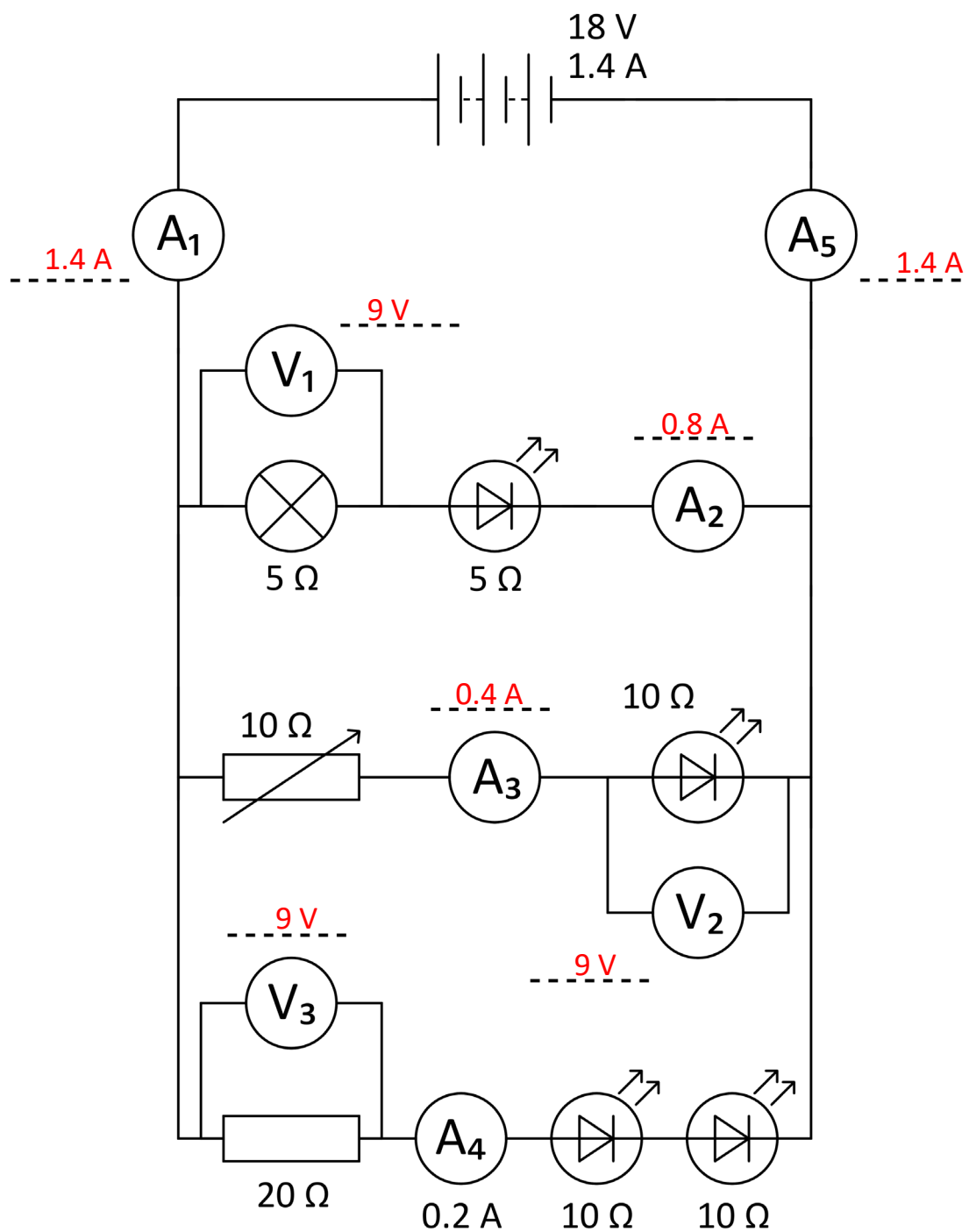
b. Complete the missing values in the figure below.



(6 marks)

(Total for Question 4 is 11 marks)

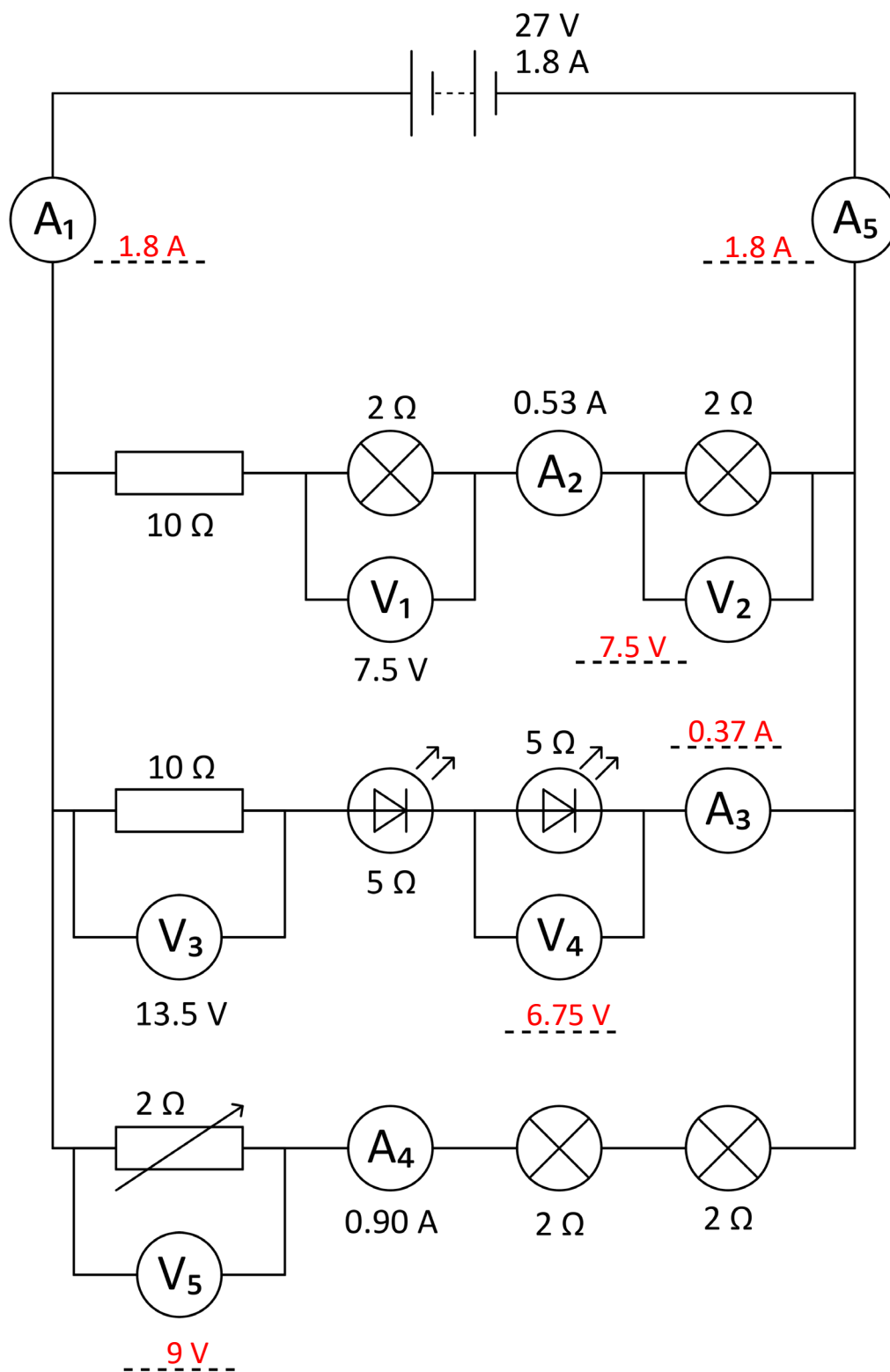
5. A student set up the following parallel circuit. Complete the missing values in the figure below.



(7 marks)

(Total for Question 5 is 7 marks)

6. A student set up the following parallel circuit. Complete the missing values in the figure below.



(6 marks)

(Total for Question 6 is 6 marks)