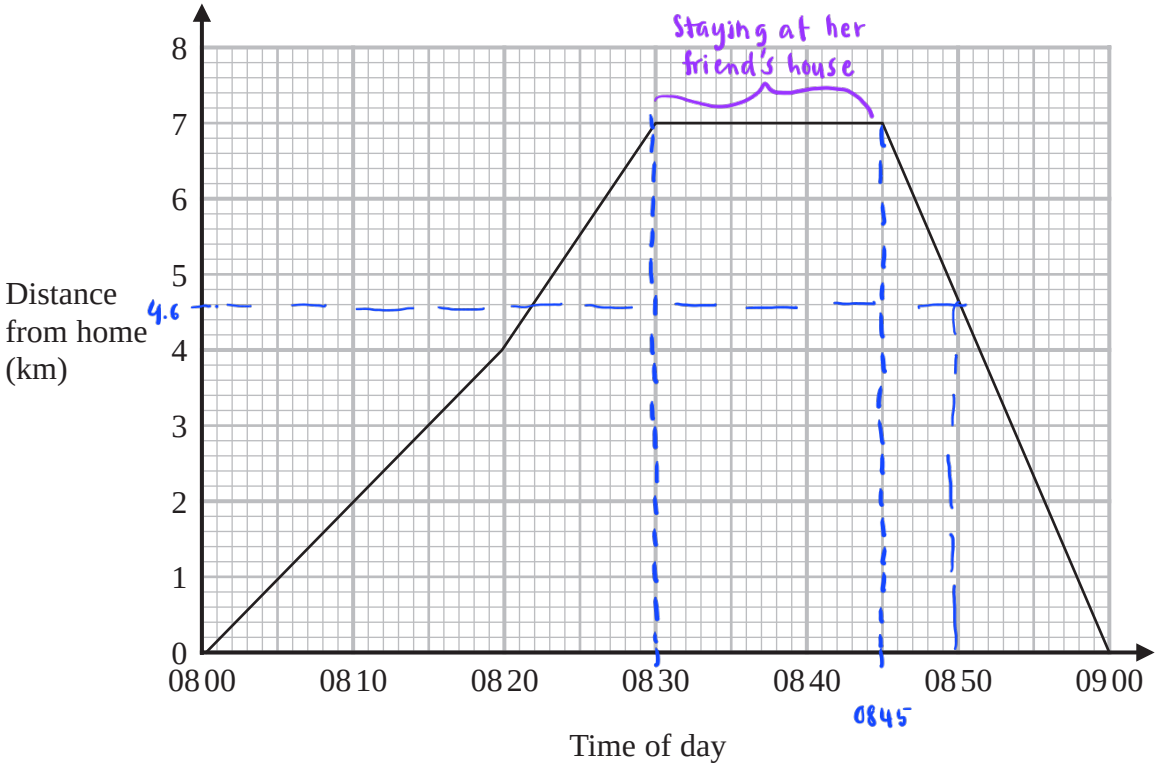
1 Carly cycles to her friend's house.
She stays at her friend's house for a number of minutes.
Then she cycles home.

Here is the travel graph for her journey.



(a) For how many minutes did Carly stay at her friend's house?

Tip: Look at section of the graph where the distance is unchanged.

0845 - 0830 = 15 minutes

15 (1) ..... minutes

(1)

(b) How far is Carly from her home at 0850?

4.6 (1) ..... km

(1)

(c) Work out Carly's speed, in km/h, for the first 20 minutes of her journey.

$$\text{Speed} = \frac{\text{distance}}{\text{time}}$$

$$= \frac{4 \text{ km}}{1 \cancel{20} \text{ min}} \times \frac{3 \cancel{60} \text{ min}}{1 \text{ hour}} \text{ (1)} = 12 \text{ km/h (1)}$$

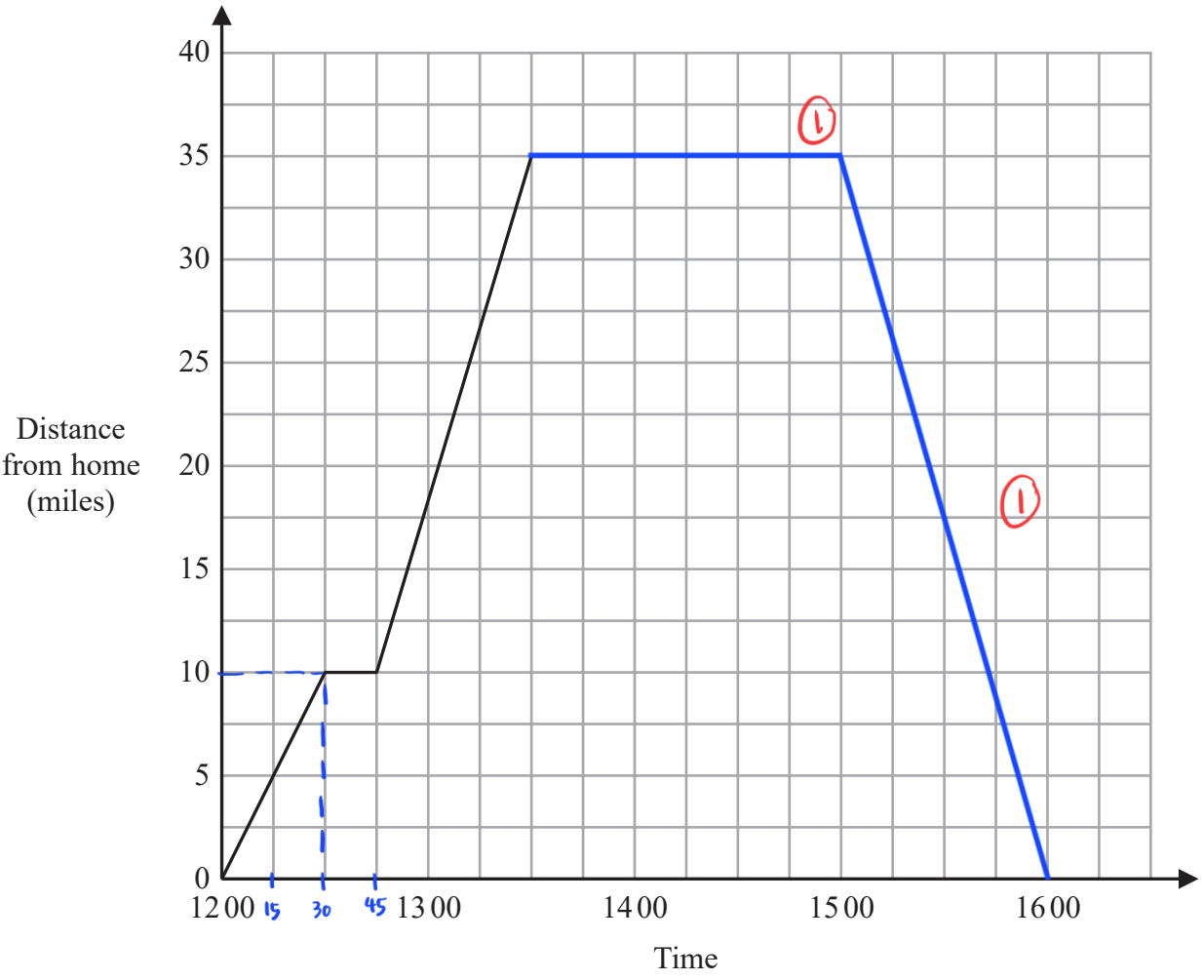
12 ..... km/h

(2)

(Total for Question 1 is 4 marks)

2 Rowena drove from her home to a beach.

Here is a travel graph for her journey.



Rowena stopped at a cafe on her way to the beach.

(a) (i) How many minutes did Rowena take to drive to the cafe?

1 hour = 60 minutes

60 minutes = 4 boxes

1 box = 15 minutes

30 (1) ..... minutes

(1)

(ii) Write down the distance from Rowena's home to the cafe.

10 (1) ..... miles

(1)

Rowena stayed at the beach for $1\frac{1}{2}$ hours.

She then drove home without stopping.
Rowena arrived home at 1600

(b) On the grid, complete the travel graph.

(2)

(c) Work out the average speed for the journey from the beach to Rowena's home.

speed = distance / time

speed = $\frac{35}{1}$ = 35 miles / hour

35 (1)

..... miles per hour

(1)

(Total for Question 2 is 5 marks)