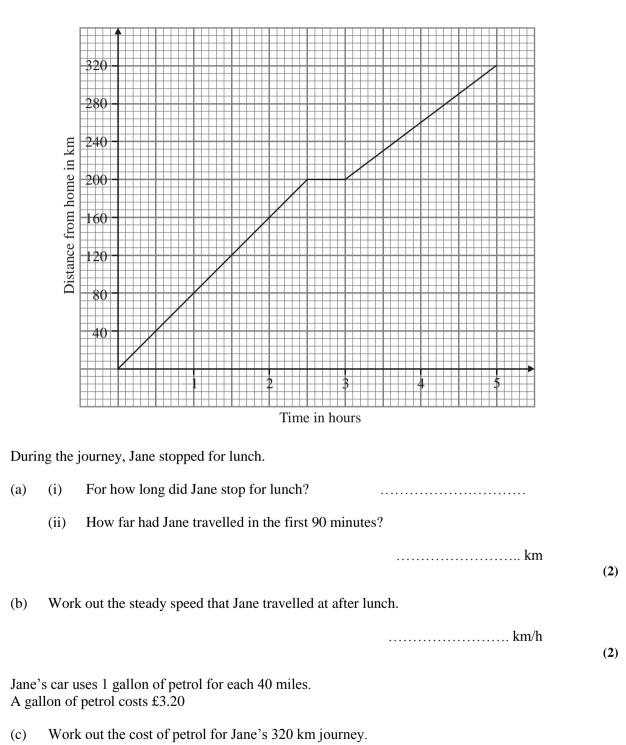
## **Distance Time Graphs**

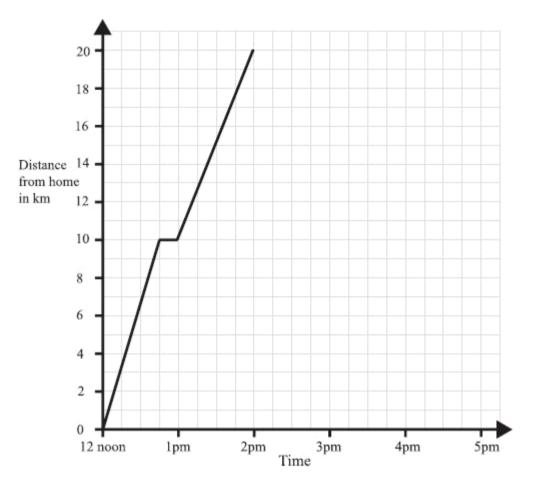
20 marks



1. Jane drove 320 km from her home to the airport. The travel graph shows Jane's journey.

£ .....

(4) (Total 8 marks) 2. A man left home at 12 noon to go for a cycle ride. The travel graph represents part of the man's journey.

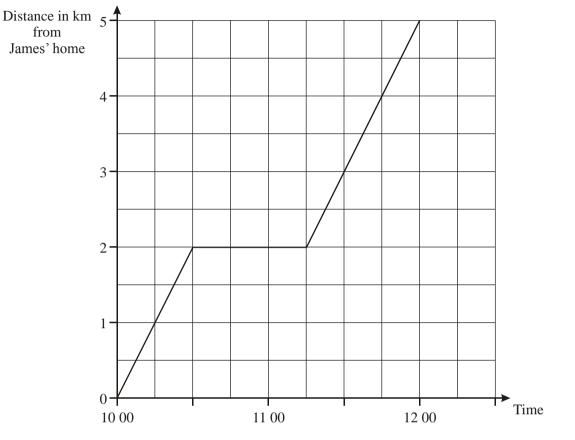


- At 12.45pm the man stopped for a rest.
- (a) For how many minutes did he rest?

(c) Complete the travel graph.

(2) (Total 4 marks) James left home at 10 00 am. He walked to the swimming pool. On the way to the swimming pool he stopped to talk to a friend.

Here is the distance-time graph for his complete journey.



(a) For how many minutes did James stop and talk to his friend?

..... minutes

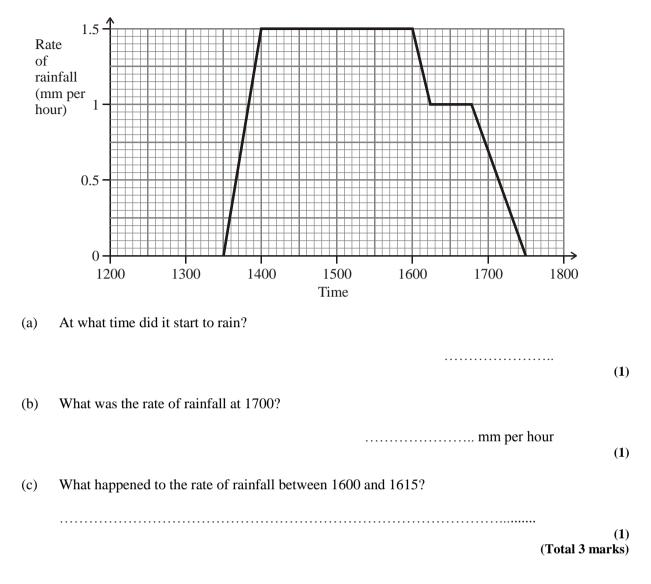
(1)

(b) What is the distance from James' home to the swimming pool?

..... km (1)

(Total 2 marks)

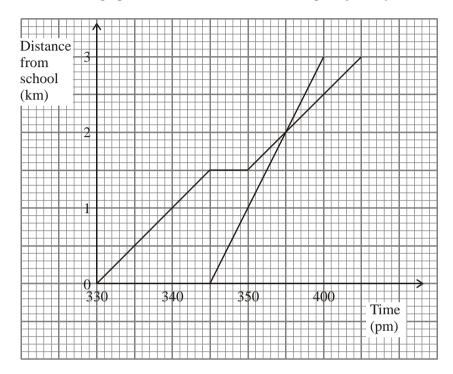
4. The graph shows the rate of rainfall, in mm per hour, one afternoon last year.



5. Robert left school at 3 30 pm. He walked home. On the way home, he stopped to talk to a friend.

His sister, Sarah, left the same school at 3 45 pm. She cycled home using the same route as Robert.

Here are the distance-time graphs for Robert's and Sarah's complete journeys.



(a) Find the distance Robert walked during the first 10 minutes of his journey.

km (1)	
Find the total time that Robert stopped to talk to his friend.	(b)
minutes (1)	
Write down the distance that Robert had walked when Sarah cycled past him.	(c)
km	
(1) (Total 3 marks)	