

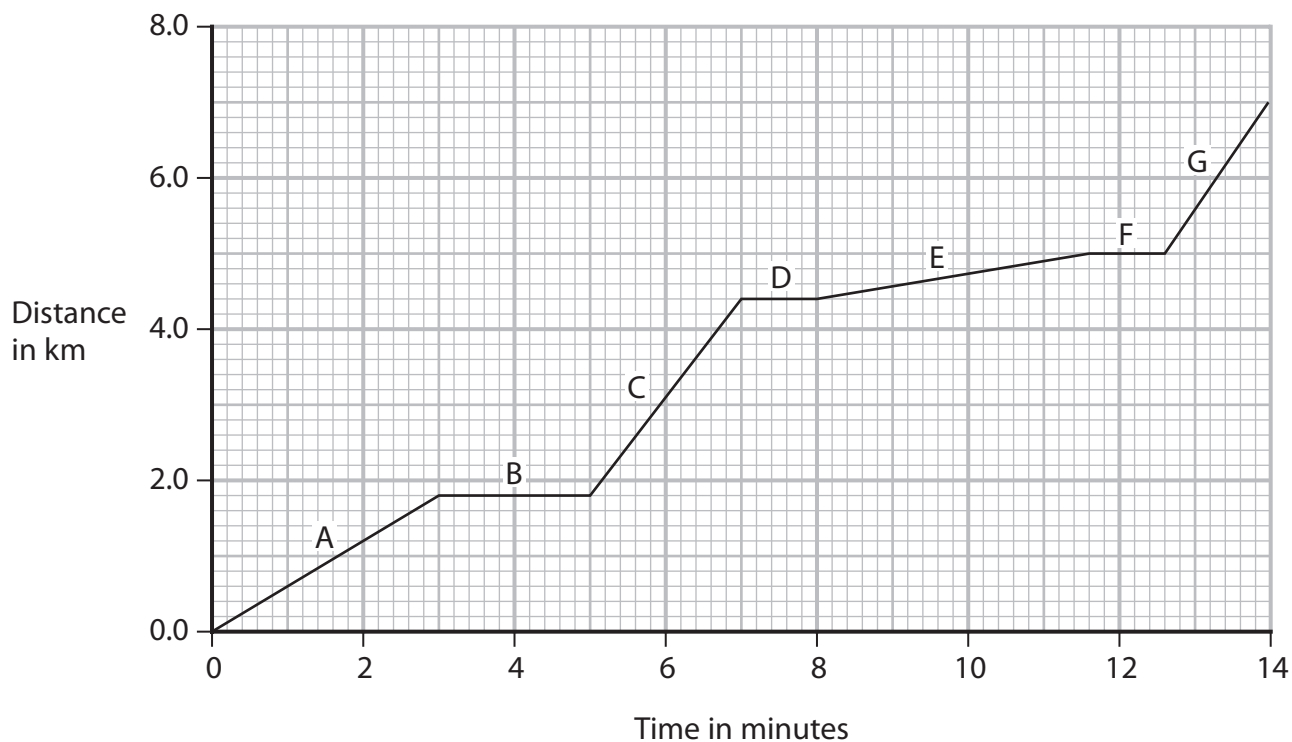
5 A bus transports passengers.



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- (a) The bus stops at certain points in its journey to let passengers get on or off the bus.

The distance-time graph shows part of the bus journey, with sections labelled A to G.



- (i) Give the letters of the sections where the bus is stationary.

(1)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



(ii) Calculate the speed of the bus during section C of the journey.

Give your answer in m/s.

(4)

speed = m/s

(iii) Explain what the graph shows about the speed of the bus in section E compared with the speed of the bus in section A.

(2)

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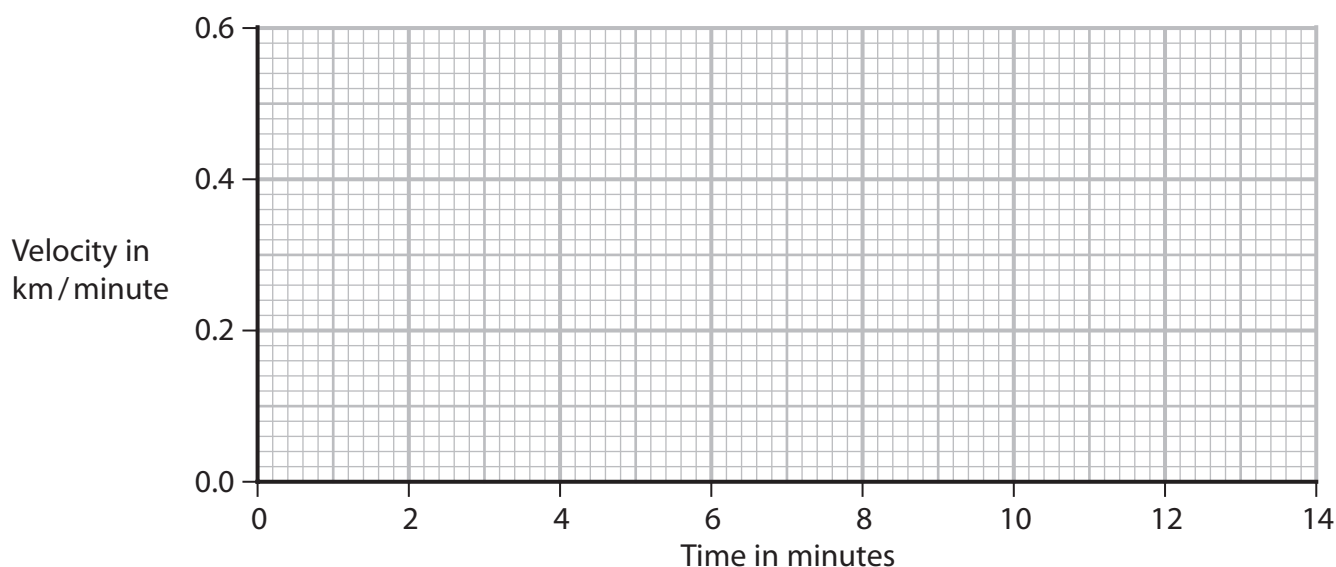
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(b) Another bus travels a distance of 7.0 km in a time of 14 minutes.

This bus travels at a constant velocity.

Complete the velocity-time graph to show the motion of this bus.

(2)



(Total for Question 5 = 9 marks)



P 6 2 0 4 1 A 0 1 3 3 2