

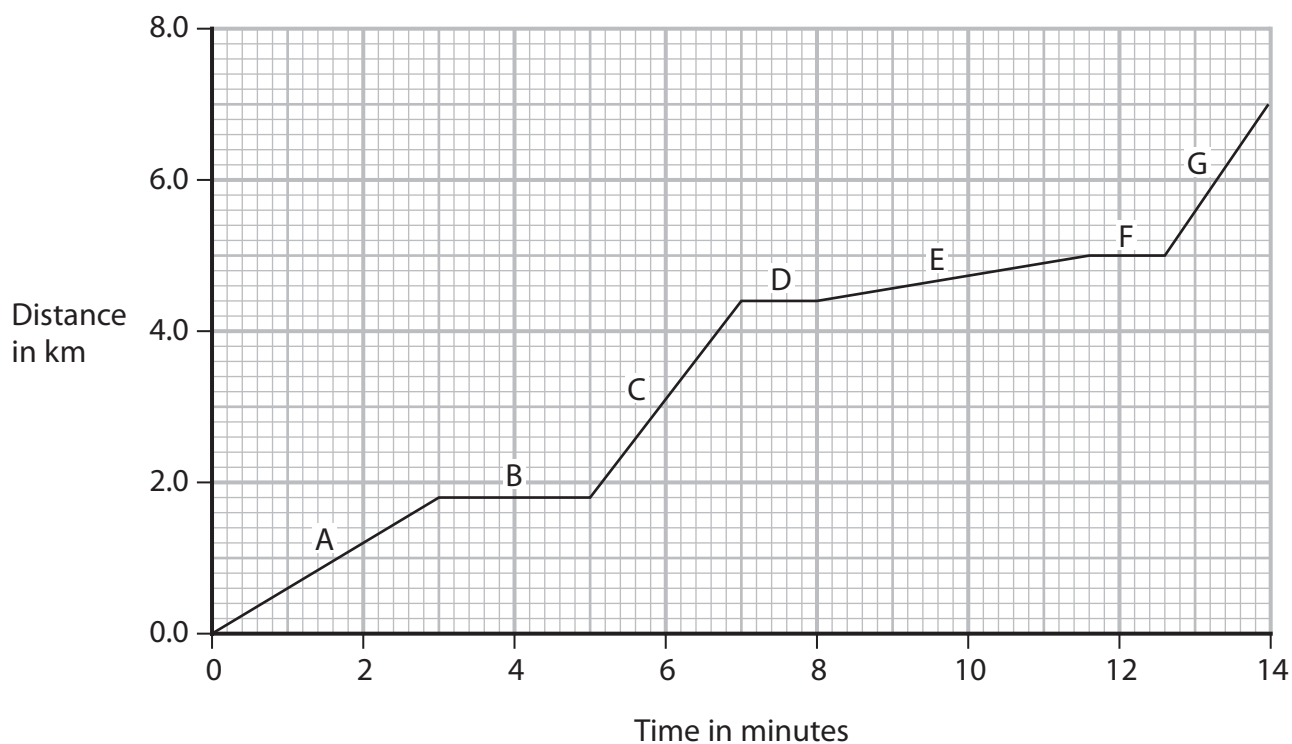
5 A bus transports passengers.



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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)



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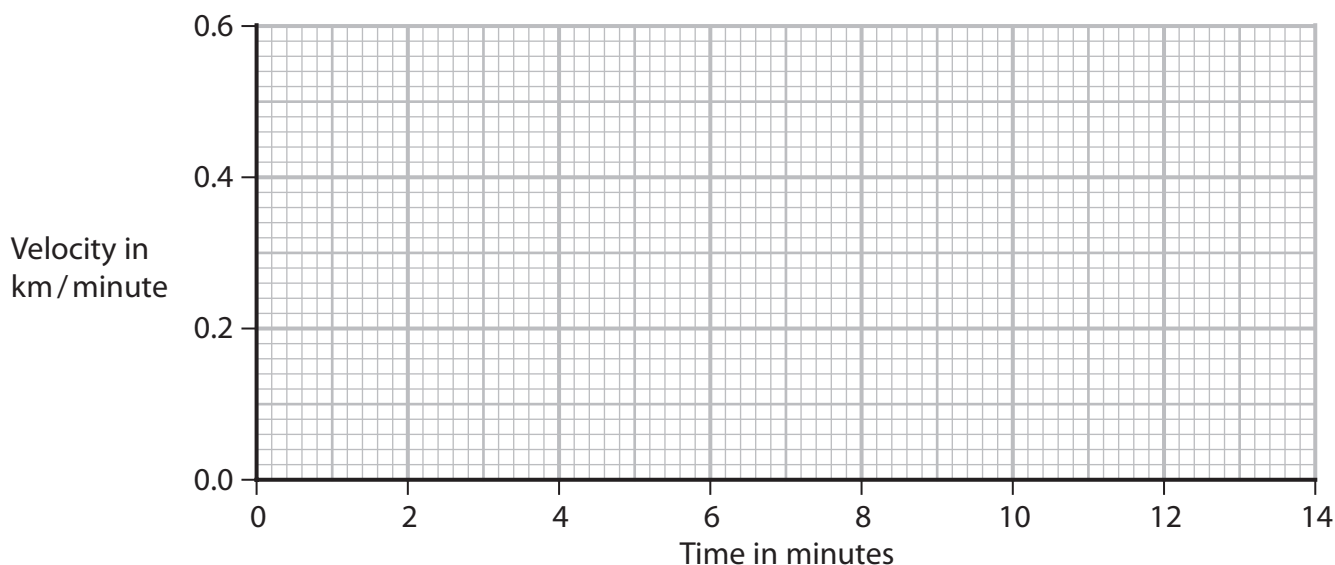
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(b) Another bus travels a distance of 7.0 km in a time of 14 minutes.

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)

