1.3 Time: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A film starts at 10:40. It lasts 3 hours and 44 minutes. At what time does the film end? Give your answer in the 24-hour clock.

(Total for Question 1 is 2 marks)

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2 Write down 7:45 pm in 24-hour clock notation.

(Total for Question 2 is 1 mark)

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3 A train arrives at 15:50 after a journey lasting 3 hours 15 minutes. Work out the time the train departed.

(Total for Question 3 is 2 marks)

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4 Priya can travel from Town X to Town Z in two ways.
Direct: depart X 17:40, journey time 1 hour 50 minutes.
Via Town Y: depart X 17:20 to Y (journey 40 minutes), then a connection Y to Z departs 18:15 and takes 35 minutes.
Work out the arrival time for each route and state which route gets Priya to Town Z earlier.

(Total for Question 4 is 3 marks)

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Mark scheme · 1.3 Time: 10-minute Pack

Question 1

adds the hours and minutes to the start time	**M1**
14:24 cao	**A1**

Answer: 14:24

Question 2

19:45 cao	**B1**

Answer: 19:45

Question 3

subtract duration from arrival time, e.g. 15:50 - 3:15 oe	**M1**
12:35 cao	**A1**

Answer: 12:35

Question 4

calculate direct arrival: 17:40 + 1:50 = 19:30 oe	**M1**
calculate via-Y arrival: 17:20 + 0:40 = 18:00, connect 18:15 + 0:35 = 18:50 oe	**M1**
state which arrives earlier: via Y (18:50) is earlier than direct (19:30) oe	**B1**

Answer: Direct arrives 19:30; via Y arrives 18:50. Via Y arrives earlier.

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