2.9-2 Time and Timetables: Practice Set 2: Test Pack

GL ASSESSMENT GL · Calculators not allowed · about 15 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write 06:40 using the 12-hour clock (include am or pm).

- ☐ A) 4:06 am
- ☐ B) 6:04 am
- ☐ C) 6:40 am
- ☐ D) 7:40 am
- ☐ E) 6:40 pm

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2 A rehearsal for a school play lasts 1 hour 40 minutes in total. 2/5 of the rehearsal is spent on Act One.

(a) How many minutes are spent on Act One? **(2)**

.....

(b) The remaining time is split equally between Act Two and Act Three. How many minutes are spent on Act Three? **(2)**

.....

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3 Train C departs Larkfield at 07:35 and is booked to arrive at Millgate at 08:20. Train D departs Millgate at 08:25 and arrives at Sanderstead at 09:05.

(a) Train C actually runs 8 minutes late. At what time does it now arrive at Millgate? **(1)**

.....

(b) Explain whether Yusuf, who is on Train C, will catch Train D to Sanderstead. **(2)**

.....

.....

(c) The next Train D service departs Millgate at 08:50 and takes the same journey time to Sanderstead as the original Train D. At what time will Yusuf now arrive at Sanderstead? **(2)**

.....

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4 Saoirse is choosing between two ways to travel from Hazelbury to Kestrel Bay for a 13:00 appointment.

Route 1 (bus): a single bus departs Hazelbury at 11:10 and takes 1 hour 45 minutes, arriving directly at Kestrel Bay.

Route 2 (train and taxi): a train departs Hazelbury at 11:05, takes 50 minutes to reach Millport, then she must wait 15 minutes for a taxi, and the taxi journey to Kestrel Bay takes 30 minutes.

(a) Find the arrival time at Kestrel Bay for each route. **(3)**

.....

(b) Which route should Saoirse take to arrive with the most time to spare before her 13:00 appointment, and how many minutes of spare time will she have? **(2)**

.....

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5 A shuttle bus departs from the car park every 20 minutes, starting at 08:00. Which of these is NOT a departure time?

- ☐ A) 09:15
- ☐ B) 08:40
- ☐ C) 09:40
- ☐ D) 10:00
- ☐ E) 09:00

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Mark scheme · 2.9-2 Time and Timetables: Practice Set 2: Test Pack

Question 1

C) 6:40 am - correct, since 06:40 is before noon **B1**

Answer: C) 6:40 am

Question 2

(a) Converts 1 hour 40 minutes to 100 minutes (oe) **M1**

(a) 40 minutes cao **A1**

(a) Answer: 40 minutes

(b) Finds the remaining time is 100 - 40 = 60 minutes (ft) **M1**

(b) 30 minutes cao, ft **A1**

(b) Answer: 30 minutes

Question 3

(a) 08:28 cao **B1**

(a) Answer: 08:28

(b) No, ft from (a) **B1**

(b) Correct reason: the train now arrives at 08:28, which is after Train D has already departed at 08:25 **B1**

(b) Answer: No; the train now arrives at 08:28, three minutes after Train D has already left at 08:25.

(c) Finds the original Train D journey time is 09:05 - 08:25 = 40 minutes **M1**

(c) 09:30 cao **A1**

(c) Answer: 09:30

Question 4

(a) Route 1: 11:10 + 1:45 = 12:55 **M1**

(a) Route 2: 11:05 + 0:50 = 11:55 to Millport, + 0:15 wait = 12:10, + 0:30 taxi = 12:40 **M1**

(a) Both correct: 12:55 and 12:40 **A1**

(a) Answer: Route 1: 12:55; Route 2: 12:40

(b) Compares spare time for each route, ft from (a): Route 1 gives 13:00 - 12:55 = 5 minutes, Route 2 gives 13:00 - 12:40 = 20 minutes **M1**

(b) Route 2 cao, ft; 20 minutes cao, ft **A1**

(b) Answer: Route 2 (train and taxi); 20 minutes to spare

Question 5

A) 09:15 - correct, it is not a multiple of 20 minutes from 08:00 **B1**

Answer: A) 09:15

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