2.32 Measurement, Money and Time Depth: Test Pack

GL ASSESSMENT GL · Calculators not allowed · about 15 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Which of these is equal to 4.5 metres?

- ☐ A) 45 cm
- ☐ B) 450 cm
- ☐ C) 4500 cm
- ☐ D) 0.45 cm

2 A train travels 126 km at an average speed of 84 km/h. Calculate how long the journey takes, giving your answer in hours and minutes.

(2)

3 A coach departs at 21:15 and the journey lasts 3 hours 40 minutes.

(a) Calculate the arrival time, using the 24-hour clock. **(2)**

(b) Convert this arrival time into the 12-hour clock. **(1)**

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4 Mrs Okafor needs to arrive at a wedding in Bath by 15:00. The distance from her home to Bath is 105 km. She plans to drive at an average speed of 70 km/h and will take one 20 minute break on the way. Petrol for the journey costs £0.16 per km.

(a) Calculate the driving time for the journey, not including the break. Give your answer in hours and minutes. **(2)**

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(b) Calculate the latest time Mrs Okafor must leave home in order to arrive by 15:00, including the break. **(3)**

.....

(c) Calculate the total cost of petrol for the 105 km journey. **(2)**

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5 A football match kicks off at 3:15 pm and the final whistle blows at 4:50 pm. How many minutes does the match last?

(1)

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Mark scheme · 2.32 Measurement, Money and Time Depth: Test Pack

Question 1

B cao	**B1**

Answer: B) 450 cm

Question 2

126 / 84 (oe)	**M1**
1 hour 30 minutes oe	**A1**

Answer: 1 hour 30 minutes

Question 3

(a) Adds 3 hours to 21:15 to reach 00:15 the next day, or a complete equivalent method	**M1**
(a) 00:55 cao	**A1**

(a) Answer: 00:55

(b) 12:55 am oe, ft	**B1**

(b) Answer: 12:55 am

Question 4

(a) 105 / 70 (oe)	**M1**
(a) 1 hour 30 minutes oe	**A1**

(a) Answer: 1 hour 30 minutes

(b) Adds the 20 minute break to their (a), ft, giving 1 hour 50 minutes	**M1**
(b) Subtracts their total time from 15:00, ft	**M1**
(b) 13:10 cao (ft)	**A1**

(b) Answer: 13:10

(c) 105 x 0.16 (oe)	**M1**
(c) £16.80 cao	**A1**

(c) Answer: £16.80

Question 5

95 minutes cao	**B1**

Answer: 95 minutes

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