9.4 Statistics: Line Graphs and Timetables: 10-minute Pack

Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 The timetable for a school trip shows coaches leave at 09:30 and travel time is 1 hour 45 minutes. The group will have a 30 minute picnic after arrival and then visit a museum for 2 hours. At what time will the museum visit finish?

(2)

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2 A line graph shows the temperature in degrees Celsius at different times. The points on the graph are: 8:00 = 9, 9:00 = 11, 10:00 = 8, 11:00 = 14, 12:00 = 19, 13:00 = 23.

By how much did it change between 8:00 and 11:00? Write a positive number.

Answer: ___ degrees

(2)

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3 A school club survey is shown.

Boys: 17 chose Football, 9 chose Netball
Girls: 20 chose Football, 5 chose Netball

How many more pupils chose Football than Netball?

Answer: ___

(2)

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4 A line graph shows the number of bicycles borrowed from a library each hour: 9:00 3, 10:00 7, 11:00 12, 12:00 12, 13:00 9. A pupil says: "Between 11:00 and 12:00 the number did not change." Explain whether the pupil is correct.

(2)

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Mark scheme · 9.4 Statistics: Line Graphs and Timetables: 10-minute Pack

Question 1

Adds travel 1:45 to 09:30 to get arrival 11:15 and adds picnic 0:30 and museum 2:00 correctly	**M1**
13:45 cao	**B1**

Answer: **13:45**

Question 2

finds the difference between the two values	**M1**
5 degrees cao	**A1**

Answer: **5 degrees**

Question 3

both totals found	**M1**
23 cao	**A1**

Answer: **23**

Question 4

Notes numbers at 11:00 and 12:00 are both 12 or states same value	**M1**
Concludes pupil is correct with clear justification cao	**B1**

Answer: **The pupil is correct because the graph shows 12 at both 11:00 and 12:00, so the number did not change.**

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