2.15 Bar Charts: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A school canteen's bar chart shows the number of lunch portions served: Pasta 36, Rice 24, Jacket potato 18, Salad 12. How many more portions of pasta were served than rice?

(Total for Question 1 is 1 mark)

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2 A bar chart shows the number of students in each category: Football 11, Rugby 6, Tennis 4, Swimming 29, Cricket 31. Work out (a) the difference between the heights of the Swimming bar and the Cricket bar, (b) the total number of students.

(Total for Question 2 is 3 marks)

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3 A school survey counted the number of pupils who cycle to school in five local streets. The frequencies are: Oak 9, Pine 4, Elm 7, Birch 6, Maple 4. What is the mode of the data?

(Total for Question 3 is 2 marks)

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4 A cinema's bar chart shows the number of tickets sold for a film: Friday 240, Saturday 300. Calculate the percentage increase in tickets sold from Friday to Saturday.

(Total for Question 4 is 3 marks)

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Mark scheme · 2.15 Bar Charts: 10-minute Pack

Question 1

12 cao	**B1**

Answer: 12 (36 - 24 = 12).

Question 2

31 - 29	**M1**
2	**A1**
81	**A1**

Answer: (a) 2, (b) 81

Question 3

identify the most frequent value(s) or state no unique mode	**M1**
9 (Oak) cao	**A1**

Answer: 9 (Oak) (Oak has the highest frequency 9).

Question 4

find the increase, 300 - 240 = 60	**M1**
60 / 240 x 100 oe	**M1**
25% cao	**A1**

Answer: 25% (Increase = 60. 60 / 240 x 100 = 25%.)

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