



S14-10min Frequency Tables and Tally Charts: 10-minute Pack

EDEXCEL 1ST0 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

1 Each part shows a tally for one category. Work out the frequency it represents.

(a) Tally: |||| ||

(1)

.....

(b) Tally: |||| |||| ||

(1)

.....

(c) Tally: |||| |||| ||||

(1)

.....

(Total for Question 1 is 3 marks)

2 Write down the frequency shown by this tally mark: ||

(Total for Question 2 is 1 mark)

3 The table shows the favourite colour of some pupils in a class.

Colour	Frequency
Red	9
Blue	6
Green	4
Yellow	3

Write down the mode.

(Total for Question 3 is 1 mark)

- 4** Customers at a cafe were asked which drink they bought this morning. The table shows the results.

Drink	Frequency
Tea	11
Coffee	9
Juice	5
Water	3

- (a)** Work out the total number of customers surveyed. **(2)**

- (b)** Write down the mode. **(1)**
-

- (c)** Work out how many more customers chose tea than chose water. **(1)**
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(Total for Question 4 is 4 marks)

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- 5** A student is collecting data on the colour of 200 cars passing a junction, one at a time, over the course of an hour. Explain why using a tally chart to record each car's colour as it passes is more efficient than writing a full list of colours and counting them up at the end.

(Total for Question 5 is 2 marks)

Mark scheme · S14-10min Frequency Tables and Tally Charts: 10-minute Pack

Question 1

- (a) **B1** 7 cao
- (a) **Answer: 7**
- (b) **B1** 13 cao
- (b) **Answer: 13**
- (c) **B1** 15 cao
- (c) **Answer: 15**

Question 2

- **B1** 2 cao
- **Answer: 2**

Question 3

- **B1** Red cao
- **Answer: Red**

Question 4

- (a) **M1** $11 + 9 + 5 + 3$, oe
- (a) **A1** 28 cao
- (a) **Answer: 28**
- (b) **B1** Tea cao
- (b) **Answer: Tea**
- (c) **B1** 8 cao
- (c) **Answer: 8**

Question 5

- **B1** a tally mark can be added instantly as each car passes, with no need to keep a running written list of 200 words
- **B1** counting a tally in groups of five at the end is quicker and less error-prone than counting every entry in a long list of 200 items
- **Answer: A tally can be recorded instantly for each car with a single mark, and counting in groups of five at the end is quicker and less error-prone than counting a long list of 200 written entries.**