6.2 Collecting Data, Tally and Frequency Tables: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Complete the frequency table and find the mean for the data set: 2, 3, 3, 4, 5, 3, 2. Provide the mean to one decimal place.

(a) Give the frequency for 2, 3, 4, 5. **(1)**

(b) Find the mean of the data, to one decimal place. **(2)**

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2 The table shows the number of pets owned by 15 pupils: 0(5), 1(6), 2(3), 3(1). Using the frequency table, find the mode and the range of the data.

(a) State the mode. **(1)**

(b) Find the range. **(2)**

.....

3 The scores of 14 players in a game are: 44, 32, 41, 30, 39, 30, 30, 42, 30, 34, 37, 38, 34, 34.
Complete a grouped frequency table using the class intervals 30 to 34, 35 to 39 and 40 to 44.

(3)

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Mark scheme · 6.2 Collecting Data, Tally and Frequency Tables: 10-minute Pack

Question 1

(a) frequencies 2:2, 3:3, 4:1, 5:1 cao	**B1**
(a) Answer: **2:2, 3:3, 4:1, 5:1**	
(b) method: sum of values divided by 7 or sum from frequencies	**M1**
(b) 3.1 cao	**A1**
(b) Answer: **3.1**	

Question 2

(a) mode = 1 cao	**B1**
(a) Answer: **1**	
(b) method: maximum value 3 - minimum value 0	**M1**
(b) 3 cao	**A1**
(b) Answer: **3**	

Question 3

tally or count of at least one class	**M1**
two frequencies correct	**A1**
30 to 34: 8, 35 to 39: 3, 40 to 44: 3 cao	**A1**
Answer: **30 to 34: 8, 35 to 39: 3, 40 to 44: 3**	

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