



S01-10min Mean Median Mode and Range: 10-minute Pack

EDEXCEL 1ST0 · Calculator allowed · about 10 minutes

Total Marks

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Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

- 1** The numbers of pets owned by 7 families are:

2, 0, 5, 1, 3, 1, 4

Find the median number of pets.

(Total for Question 1 is 2 marks)

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- 2** The scores, out of 10, of 6 pupils in a spelling test are:

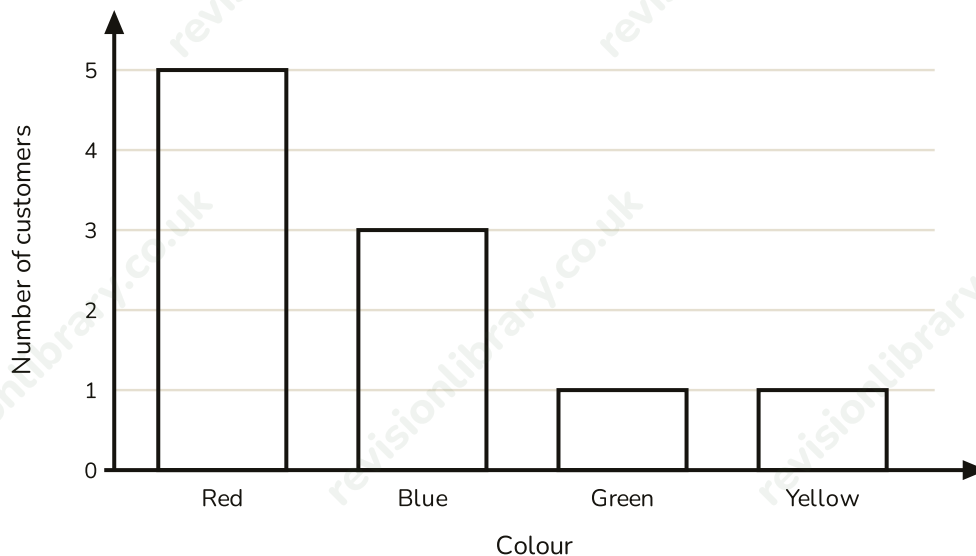
7, 8, 6, 9, 7, 5

Work out the mean score.

(Total for Question 2 is 2 marks)

- 3** A clothing shop records the colour of hoodie bought by each of 10 customers one Saturday:

Red, Blue, Red, Green, Red, Blue, Red, Yellow, Red, Blue



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

- (b)** Explain why the mode is the only average that can be found for this set of data. **(2)**

(Total for Question 3 is 3 marks)

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- 4** The mean of 5 numbers is 8. Four of the numbers are 6, 9, 7 and 10.

Work out the fifth number.

(Total for Question 4 is 3 marks)

Mark scheme · S01-10min Mean Median Mode and Range: 10-minute Pack

Question 1

- **M1** data placed in order: 0, 1, 1, 2, 3, 4, 5
- **A1** 2 cao
- **Answer: 2**

Question 2

- **M1** $7 + 8 + 6 + 9 + 7 + 5 (= 42)$, oe
- **A1** 7 cao
- **Answer: 7**

Question 3

- (a) **B1** Red cao
- (a) **Answer: Red**
- (b) **B1** colour is not numerical data, oe (cannot be ordered or added)
- (b) **B1** so a mean or median cannot be calculated; only the mode (the most common colour) can be found, oe
- (b) **Answer: Colour is not numerical data, so it cannot be added or ordered to find a mean or median; only the most common value (the mode) can be found.**

Question 4

- **M1** $5 \times 8 (= 40)$, oe (total of all 5 numbers)
- **M1** $40 - (6+9+7+10)$, oe (dep on first method mark)
- **A1** 8 cao
- **Answer: 8**