

Topic Test 5 – 20 Minutes

1 Which is an example of continuous data?

Circle your answer.

[1 mark]

eye colour car type height number of pens

2 The number of paperclips in 10 new boxes were counted and listed below.

56 45 61 56 56 49 52 57 60 50

2 (a) Calculate the range.

[2 marks]

Answer _____

2 (b) Write down the mode.

[1 mark]

Answer _____

2 (c) An eleventh box was counted. It contained 65 paperclips.

What effect would this have on the mode? Tick the correct box.

[1 mark]

Decrease

No change

Increase

3 James records how many emails he gets a day over an 8 day period.

4 42 8 9 8 4 8 5

3 (a) Work out the median.

[2 marks]

Answer _____

3 (b) Calculate the mean.

[2 marks]

Answer _____

3 (c) Which of these two averages better represents the data? Explain your answer.

[1 mark]

4 The numbers of goals scored each game by the local football team were recorded in the table below.

Goals Scored	0	1	2	3	4	5
Frequency	5	1	4	8	0	1

4 (a) What is the most common number of goals they scored?

[1 mark]

Answer _____

4 (b) Calculate the mean number of goals scored.

[3 marks]

Answer _____

4 (c) Find the median number of goals scored.

[2 marks]

Answer _____

5 The table shows the salary, in thousands of pounds, of workers in a supermarket.

Salary (thousands of pounds)	Number of workers
$10 \leq x < 20$	10
$20 \leq x < 25$	18
$25 \leq x < 30$	14
$30 \leq x < 40$	7
$40 \leq x < 50$	1

5 (a) Work out the modal class.

[1 mark]

Answer _____

5 (b) Calculate an estimate of the mean salary of these workers.

[4 marks]

Answer £ _____