Name.....

Class..... No.....

# Average Test

1. Here is a list of numbers



3 3 4 5 5 5 5 6 7 8

Write down the mode of the numbers.

2. Five friends play a game.
Here are their scores.



80 120 160 60 250

Work out the median.

3. Here is a list of numbers.



3 2 6 11 13

(a) Work out the mean

(b) Work out the range

4. James has a spinner that has sections labelled 1 to 5.
He spins the spinner 10 times.



Here are his scores.

1 4 4 2 3 4 5 1 4 1

(a) Find the mode.

(b) Work out the mean.

(c) Work out the range.

5. Simone records the number of minutes she spends on her mobile phone over 7 days.



8 5 13 6 24 19 10

Find the median.

LIVEWORKSHEETS

6. Here are the ages of 9 children at a birthday party.



10 12 13 10 11 14 15 10 12

(a) Find the mode.

(b) Find out the median.

(c) Work out the range.

(d) Work out the mean.

7. A football team played six games.



Here are the number of goals they scored in each game:

6 0 3 2 2 5

(a) Work out the median number of goals scored.

(b) Work out the mean number of goals scored.

The football team play one more game.
The mean number of goals scored increases to 4.

(c) Work out the number of goals scored in the seventh game.

8. Harry writes down the number of emails he received each day last week.



8 17 23 24 24 22 15

Harry says that the median is 24.

Explain why he is incorrect.



LIVEWORKSHEETS

9. Aminah logs into her fitness tracker app.



| April |
| --- |
| Jogs completed: 14 |
| Distance: 80.5km |

Work out the mean distance travelled for each completed jog.

10. Miss Jones gives her class a test.
The test is out of 40 marks.



Here are their scores.

31 29 20 35 32 38 32

(a) Work out the mode.

(b) Work out the median.

(c) Work out the range.

The pass mark for the test is 75%.

(d) How many students pass the test?

11. Hannah is recording the number of letters in each word in an article.



These are the first ten lengths.

3 4 5 6 2 4 3 7 3 6

(a) Work out the median.

MONTFORT
College • Academic Affair, 2018
LIVEWORKSHEETS

(b) Calculate the mean.

The 11th word has 4 letters.

(c) Tick the box which describes what affect this will have on the mean.

| The mean will decrease | The mean will remain the same | The mean will increase |
|---|---|---|
| ☐ | ☐ | ☐ |

(d) Tick the box which describes what affect this will have on the median.

| The median will decrease | The median will remain the same | The median will increase |
|---|---|---|
| ☐ | ☐ | ☐ |

12. Jakub records the temperature at midnight over 6 days.



−7°C  2°C  −1°C  −8°C  5°C  3°C

(a) Work out the mean temperature.

(b) Work out the median temperature.

(c) Work out the range of the temperature.

13. Maya is growing sunflowers.
The tallest sunflower is 1.4 metres.
The range of the heights is 58 centimetres.



Find the height of the shortest sunflower.
Include units for your answer.



LIVEWORKSHEETS