



SCAN ME

Averages from Tables and Diagrams



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

1 The table shows the number of times some students were late to school in one week.

| Number of Lates | Frequency | |
|-----------------|-----------|--|
| 0 | 17 | |
| 1 | 5 | |
| 2 | 3 | |
| 3 | 2 | |
| 4 | 2 | |
| 5 | 1 | |

1 (a) Write down the modal number of lates. [1 mark]

Answer _____

1 (b) Work out the mean number of lates per student. [3 marks]

Answer _____





2 The table shows the number of bedrooms for 50 new houses being built.

| Number of Bedrooms | Frequency | |
|--------------------|-----------|--|
| 2 | 6 | |
| 3 | 31 | |
| 4 | 10 | |
| 5 | 3 | |

2 (a) Write down the modal number of bedrooms. [1 mark]

Answer _____

2 (b) Write down the range of the number of bedrooms. [1 mark]

Answer _____

2 (c) Work out the mean number of bedrooms per house. [3 marks]

Answer _____





3 The table shows the number of holidays taken by some workers during a year.

| Number of Holidays | Frequency | |
|--------------------|-----------|--|
| 0 | 1 | |
| 1 | 10 | |
| 2 | 9 | |
| 3 | 5 | |

3 (a) Write down the modal number of holidays. [1 mark]

Answer _____

3 (b) Work out the mean number of holidays per worker. [3 marks]

Answer _____

3 (c) Work out the median number of holidays. [2 marks]

Answer _____

Turn over ►



4 The table shows the shoe sizes of 30 students in a tutor group.

| Shoe Size | Frequency | |
|-----------|-----------|--|
| 3 | 3 | |
| 4 | 4 | |
| 5 | 8 | |
| 6 | 9 | |
| 7 | 5 | |
| 8 | 1 | |

4 (a) Write down the modal shoe size. [1 mark]

Answer _____

4 (b) Work out the mean shoe size. [3 marks]

Answer _____

4 (c) Work out the median shoe size. [2 marks]

Answer _____



5 The table shows the number of detentions received by some students in a week.

| Number of Detentions | Frequency | |
|----------------------|-----------|--|
| 0 | 20 | |
| 1 | 9 | |
| 2 | 2 | |
| 3 | 1 | |
| 4 | 0 | |

5 (a) Write down the modal number of detentions. [1 mark]

Answer _____

5 (b) Write down the range of the number of detentions. [1 mark]

Answer _____

5 (c) Work out the **total** number of detentions received by students. [2 marks]

Answer _____

$\frac{\quad}{10}$

Turn over ►



6 The table shows the number of phones owned by 20 students in a class.

| Number of Phones Owned | Frequency | |
|------------------------|-----------|--|
| 0 | 2 | |
| 1 | 15 | |
| 2 | 2 | |
| 3 | 1 | |

6 (a) Write down the modal number of phones owned. [1 mark]

Answer _____

6 (b) Write down the range of the number of phones owned. [1 mark]

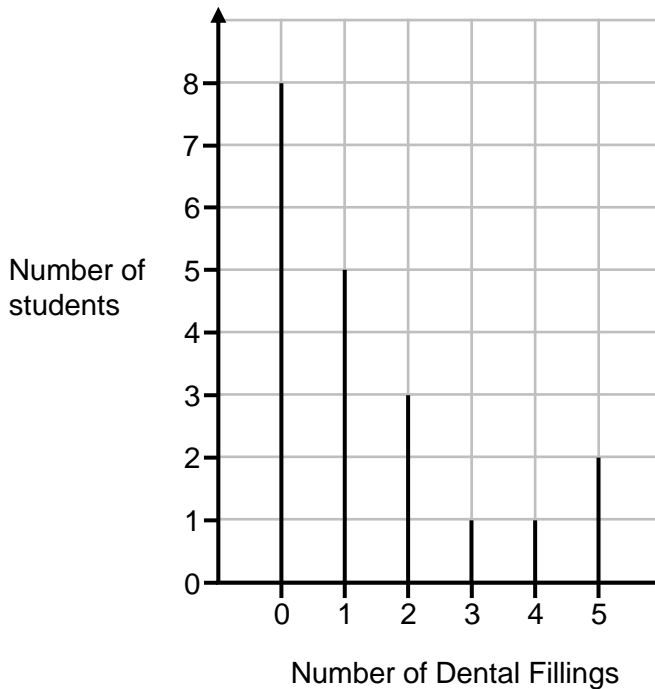
Answer _____

6 (c) Work out the mean number of phones owned. [3 marks]

Answer _____



- 7 A class of 20 students were asked how many dental fillings they had.
The vertical line chart shows results.



- 7 (a) Write down the modal number of dental fillings. [1 mark]

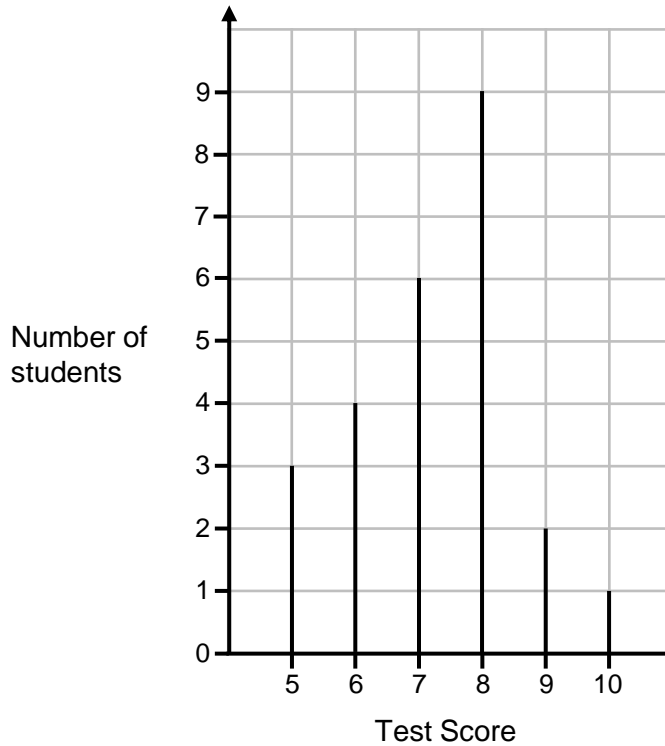
Answer _____

- 7 (b) Work out the mean number of fillings per student. [3 marks]

Answer _____



- 8 A class of 25 students were given a maths test.
The maximum score for the test was 10 marks.
The vertical line chart shows results of the test.



- 8 (a) Write down the range of the test scores. [1 mark]

Answer _____

- 8 (b) Work out the median test score. [2 marks]

Answer _____



9 The table shows the number of homeworks received by some students in a week.

| Number of homeworks | Frequency |
|---------------------|-----------|
| 2 | 6 |
| 3 | 2 |
| 4 | |
| 5 | 8 |
| 6 | 3 |

The frequency for 4 homeworks was missed off.

Tick **one** box for each of the statements below.

[3 marks]

Must be true

Could be true

Cannot be true

The modal number of homeworks is 4

The range of the number of homeworks is 4

The mean of the number of homeworks is 4

