

# Averages From a Frequency Table



7      10      13      8      9      6      7

1. What is the mode?

/1

2. What is the range?

/1

3. What is the median?

/1

George asks 20 people their shoe sizes.  
Here are the results

3    4    7    5    6    7    8    4    5    6  
6    6    6    5    7    5    6    4    7    4

| Shoe size | Tally | Frequency |
|-----------|-------|-----------|
| 3         |       |           |
| 4         |       |           |
| 5         |       |           |
| 6         |       |           |
| 7         |       |           |
| 8         |       |           |

4. Complete the frequency table

/2

5. What is the modal size?

/1

6. What is the range of sizes?

/1

Ellie asks 20 people their age in years at school

Here are the results



15 16 14 15 15 14 11 14 15 12  
15 14 13 16 14 16 13 12 14 14

| age | Tally | Frequency |
|-----|-------|-----------|
| 11  |       |           |
| 12  |       |           |
| 13  |       |           |
| 14  |       |           |
| 15  |       |           |
| 16  |       |           |

7. Complete the frequency table

/2

8. What is the modal age?

/1

9. What is the range of ages?

/1

| Skill                                           | Questions   | Total Marks | Available Marks |
|-------------------------------------------------|-------------|-------------|-----------------|
| Averages from a list of data.                   | 1, 2, 3     |             | <b>3</b>        |
| Completing a frequency table from list of data. | 4,7         |             | <b>4</b>        |
| Mode from a frequency table.                    | 5,8         |             | <b>2</b>        |
| Range from a frequency Table.                   | 6,9         |             | <b>2</b>        |
|                                                 | Total Marks |             | <b>11</b>       |

# Answers



## Averages From a Frequency Table

7      10      13      8      9      6      7  
6      7      7      8      9      10      13

1. What is the mode?

Mode = 7

/1

2. What is the range?

Range =  $13 - 6 = 7$

/1

3. What is the median?

Median = 8

/1

George asks 20 people their shoe sizes.  
Here are the results

3    4    7    5    6    7    8    4    5    6  
6    6    6    5    7    5    6    4    7    4

| Shoe size | Tally  | Frequency |
|-----------|--------|-----------|
| 3         | I      | 1         |
| 4         | IIII   | 4         |
| 5         | IIII   | 4         |
| 6         | IIII I | 6         |
| 7         | IIII   | 4         |
| 8         | I      | 1         |
|           | 20     | 20        |

4. Complete the frequency table

/2

5. What is the modal size?

Mode = 6

/1

6. What is the range of sizes? Range =  $8 - 3 = 5$

/1

# Answers



Ellie asks 20 people their age in years at school

Here are the results

15 16 14 15 15 14 11 14 15 12

15 14 13 16 14 16 13 12 14 14

| age | Tally   | Frequency |
|-----|---------|-----------|
| 11  | I       | 1         |
| 12  | II      | 2         |
| 13  | II      | 2         |
| 14  | IIII II | 7         |
| 15  | IIII I  | 5         |
| 16  | III     | 3         |

7. Complete the frequency table

/2

8. What is the modal age?

Mode = 14 years

/1

9. What is the range of ages?

Range =  $16 - 11 = 5$  years

/1

| Skill                                           | Questions   | Total Marks | Available Marks |
|-------------------------------------------------|-------------|-------------|-----------------|
| Averages from a list of data.                   | 1, 2, 3     |             | 3               |
| Completing a frequency table from list of data. | 4,7         |             | 4               |
| Mode from a frequency table.                    | 5,8         |             | 2               |
| Range from a frequency Table.                   | 6,9         |             | 2               |
|                                                 | Total Marks |             | 11              |