|  |  |
| --- | --- |
| Handspan (cm) | Frequency |
| 10 | 9 |
| 11 | 14 |
| 12 | 17 |
| 13 | 21 |
| 14 | 6 |

**Memory**

Mean = (10 x 9) + (11 x 14) + (12 x 17) + (13 x 21) + (14 x 6)  
 9 + 14 + 17 + 21 + 6  
 = 805 67  
 = 12.0

Mode = 13 (highest frequency)

Median = [(67 + 1) 2]th result = 34th result = 12

**Stretch**

There are 40 students in a form group. The table shows the number of merits earnt by the pupils:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. of merits per pupil | 0 | 1 | 2 | 3 | 4 |
| No. of students | 5 | X | 2 | 12 | y |

1. Write down the value of x + y
2. The mean number of merits per pupil is known to be 1.6. Show that x + 4y = 24
3. Work out the values of x and y by solving appropriate equations
4. State the median of the number of merits per pupil

|  |  |
| --- | --- |
| Passengers on a bus | Frequency |
| 12 | 13 |
| 13 | 20 |
| 14 | 16 |
| 15 | 8 |
| 16 | 2 |
| 17 | 1 |

|  |  |
| --- | --- |
| Collar Size | Frequency |
| 10 | 7 |
| 11 | 14 |
| 12 | 18 |
| 13 | 21 |
| 14 | 10 |
| 15 | 7 |

|  |  |
| --- | --- |
| Petals on a daisy | Frequency |
| 9 | 9 |
| 10 | 14 |
| 11 | 17 |
| 12 | 21 |
| 13 | 6 |

|  |  |
| --- | --- |
| Shoe Size | Frequency |
| 5 | 1 |
| 6 | 2 |
| 7 | 4 |
| 8 | 3 |
| 9 | 2 |

**Skills**

Find the mean, median and mode for each frequency table.

**Research**

What charts or diagrams can you make from a frequency table?

**Literacy**

Mean, Median, Mode, Range, Average, Spread, Frequency, Table