

Mean, Median, Mode and Range

1. Find the mode of each of the following sets of numbers:

- a) 7, 3, 4, 3, 9, 8, 6, 2
- b) 14, 18, 11, 15, 14, 19, 11, 16, 11
- c) 22, 28, 27, 29, 28, 31, 27, 23, 21
- d) 8, 3, 6, 5, 9, 2, 1, 15, 7

2. Find the median of each of these lists:

- a) 2, 4, 7, 8, 11
- b) 3, 5, 7, 9, 10, 12
- c) 2, 4, 6, 7, 8, 9
- d) 4, 5, 6, 6, 8, 10
- e) 8, 2, 5, 6, 4 (Don't forget to put these in order first)
- f) 5, 9, 4, 6, 6
- g) 19, 15, 18, 6, 9, 17
- h) 302, 310, 304, 307, 308, 303, 302, 305

3. Find the mean of each of these sets of numbers **without a calculator**:

- a) 5, 3, 4, 5, 3
- b) 1, 2, 3, 3, 1, 2, 3, 2, 2, 1
- c) 8, 15, 10, 11
- d) 5, 9, 13, 6, 4, 5

4. Find the mean of each of these sets of numbers.

Write down the full answer.

You may use a calculator.

- a) 6, 7, 9, 10, 9
- b) 14, 8, 10, 6, 12, 7
- c) 6.0, 6.1, 6.3, 7.4, 4.8, 6.2, 5.8, 6.4, 5.9

5. Without using a calculator, work out the range of each of these sets of numbers:

- a) 5, 8, 1, 3, 8, 3
- b) 11, 4, 2, 1, 6, 7, 12, 6, 5
- c) 105, 100, 82, 88, 94, 102, 60, 77
- d) 8.4, 7.1, 9.9, 9.6, 7.5, 8.7

6. Find the mean, median and mode of the values below. You will need a calculator.

523, 781, 640, 612, 708, 580, 628, 649, 612

7. The heights of 15 men (in cm) are recorded in the table below.

Find **a) the mode** and **b) the range** of their heights.

168	162	172	183	176
164	169	176	178	176
181	179	190	172	188

