

HANDLING DATA

Pupils should be taught to:

Calculate statistics from data, using ICT as appropriate, finding the mode, mean, median and range (continued)

As outcomes, Year 7 pupils should, for example:

Find and use the range of a small set of discrete data.

The **range** of a set of values is the difference between the largest and smallest numbers in the set. For example, for 2, 3, 4, 7, 9, 10, 12, 15, the range is $15 - 2 = 13$.

Find the median of a small set of discrete data.

The **median** of a set of numbers is the value of the middle number when they are arranged in ascending order. For example, 2, 5, 8, 3, 1, 7, 6 becomes 1, 2, 3, 5, 6, 7, 8, and the median is 5.

If there is no single middle number, the mean of the two middle numbers is taken. For example, the set 1, 5, 7, 8, 9, 10 has a median of $(7 + 8)/2 = 7.5$.