Averages

(Data for examples – Shoe size: 7, 5, 3, 8, 6, 5, 9, 4, 8, 5, 2, 8

Mean

Total of all values divided by the number of values. (what most people know as the ‘average’)

e.g.

(7 + 5 + 3 + 8 + 6 + 5 + 9 + 4 + 8 + 5 + 2 + 8) ÷ 12 = 70 ÷ 12 = 5.833333 = Shoe size 6

Median

The middle value when all data is in order of size.

(if there are an even number of values it will be the value half way between them)

2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 9

Median = 5.5

Mode

The most common value. (There can be more than one of these)

5 and 8

Range

The difference between the largest and smallest values.

Largest = 9

Smallest = 2

Range = 9 - 2 = 7