

Calculating ranges and averages

Calculate the average (mean) by adding up the figures and then dividing by the number of figures. Calculate the range by subtracting the lowest value from the highest value.

average = total amount divided by total number of figures
range = highest minus lowest value

Example

Find the average of 3.2, 4.5, 6.3, 6.5, 6.8

The total amount is $3.2 + 4.5 + 6.3 + 6.5 + 6.8 = 27.3$

There are 5 numbers so the average is $27.3 \div 5$

The mean average = 5.46

The largest number is 6.8 and the smallest number is 3.2

The range is $6.8 - 3.2 = 3.6$

Calculate the average and the range of these figures:

1. 44, 57, 68, 62, 59
2. 84, 92, 76, 88, 90
3. 150, 161, 176, 158, 150
4. 2.4, 5.6, 2.3, 4.4, 1.8
5. 23.5, 21.3, 24.6, 18.9, 17.7
6. 1.2, 6, 9.3, 0.7
7. 6.3, 74.8, 65, 92, 124, 100.8

Now check your answers with the answer sheet.