

## Calculating ranges and averages - answers

Calculate the average and the range of these figures:

1. 44, 57, 68, 62, 59

The total amount is  $44 + 57 + 68 + 62 + 59 = 290$

There are 5 numbers, so the average is  $290 \div 5 = 58$

**Mean average is 58    Range is  $68 - 44 = 24$**

2. 84, 92, 76, 88, 90

The total amount is  $84 + 92 + 76 + 88 + 90 = 430$

There are 5 numbers, so the average is  $430 \div 5 = 86$

**Mean average is 86    Range is  $92 - 76 = 16$**

3. 150, 161, 176, 158, 150

The total amount is  $150 + 161 + 176 + 158 + 150 = 795$

There are 5 numbers, so the average is  $795 \div 5 = 159$

**Mean average is 159    Range is  $176 - 150 = 26$**

4. 2.4, 5.6, 2.3, 4.4, 1.8

The total amount is  $2.4 + 5.6 + 2.3 + 4.4 + 1.8 = 16.5$

There are 5 numbers, so the average is  $16.5 \div 5 = 3.3$

**Mean average is 3.3    Range is  $5.6 - 1.8 = 3.8$**

5. 23.5, 21.3, 24.6, 18.9, 17.7

The total amount is  $23.5 + 21.3 + 24.6 + 18.9 + 17.7 = 106$

There are 5 numbers, so the average is  $106 \div 5 = 21.2$

**Mean Average is 21.2    Range is  $24.6 - 17.7 = 6.9$**

6. 1.2, 6, 9.3, 0.7

The total amount is  $1.2 + 6 + 9.3 + 0.7 = 17.2$

There are 4 numbers, so the average is  $17.2 \div 4 = 4.3$

**Mean average is 4.3    Range is  $9.3 - 0.7 = 8.6$**

7. 6.3, 74.8, 65, 92, 124, 100.8

The total amount is  $6.3 + 74.8 + 65 + 92 + 124 + 100.8 = 462.9$

There are 6 numbers, so the average is  $462.9 \div 6 = 77.1$

**Mean average is 77.1    Range is  $124 - 6.3 = 117.7$**