

N4 Applications of Maths – Mean and Range

1. Write a short definition for the mean and range of a set of numbers.

2. The weekly wages of ten workers are

£110, £180, £235, £200, £300, £180, £210, £280, £170, £160

Find (a) the mean wage (b) the range.

3. The wind speed (in mph) at 8 am on Wednesday 4th December was recorded at 15 weather stations:

88, 74, 61, 92, 48, 57, 71, 80, 68, 51, 48, 45, 75, 80, 82

Calculate the mean and range in wind speeds.

4. Eight adults were asked their ages.

37 41 29 17 15 22 32 39

(a) John claims that the **average** age is over 29. Is he correct?

(b) What is the range of ages?

5. In seven 5-minute time periods, the number of pupils served in the dining room was

109 108 84 88 121 94 82

The dining-room staff, claim to serve 100 people in 5 minutes on average.

Are they correct to make such a claim?