National 4 Lifeskills Mathematics
Practice Unit Assessment
Managing Finance and Statistics 4

1) Calculate the range and mean for the following lists of numbers.

a) 3, 5, 6, 9, 12   **b)** 23, 20, 25, 20, 22   **c)** 68, 44, 62, 57, 54
d) 5, 7, 3, 3, 9, 11, 18   **e)** 12·3, 20·7, 8·7, 16·6, 22·2, 17·9, 24·2, 14·9

2) For two sets of numbers set A has a mean of 32 and a range of 14 and set B has a mean of 38 and a range of 11. Make two comments comparing the two sets.

3) The rainfall for Edinburgh is shown in the table below.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rainfall (mm)	59	41	53	40	50	50	58	63	64	63	62	59

a) Calculate the mean and range for these numbers.
b) In London the mean rainfall was 44mm and the range was 29mm. Make two comments comparing the rainfall in Edinburgh and London.

4) The table below shows the fuel consumption in miles per gallon for random drivers who live in urban and rural areas.

Urban	18	24	33	27	41	27	32	40	23
Rural	41	37	40	22	53	48	51	48	32

a) Calculate the mean and range for both the urban and rural drivers.
b) Make two comments comparing the fuel consumption for urban and rural drivers.