

National 4 Lifeskills Mathematics
Practice Unit Assessment
Managing Finance and Statistics 3

1) Pupils in class 3A2 were asked for their favourite colour and the results are shown below.

*red, blue, blue, yellow, red, orange, blue, green, pink, green, blue, red, pink
green, yellow, pink, red, blue, green, blue, pink, red, blue, yellow, red, blue.*

Draw a frequency table for the data set and hence draw a bar chart for the data.

2) A survey was taken to find out what types of homes people live in and the results are shown below.

detached, bungalow, flat, detached, semi-detached, semi-detached, mid-terrace, detached, flat, semi-detached, bungalow, detached, semi-detached, flat, semi-detached, semi-detached, bungalow, detached, semi-detached, flat, semi-detached, detached, flat, mid-terrace, flat, detached, semi-detached, flat, detached, bungalow, semi-detached, semi-detached, flat.

Draw a frequency table for the data set and hence draw a bar chart for the data.

3) An ice-cream salesman records the numbers of ice-cream sales along with the temperature and the results are shown below.

Sales (£)	120	100	70	90	110	100	120	150
Temperature (°C)	22	20	14	18	22	21	24	25

a) Draw a scatter diagram to represent this data.

b) Draw a line of best fit on your diagram.

c) Use the line to estimate the temperature if the salesman makes £80 worth of ice-cream sales.

4) A road management company record the average time taken to travel various distance and the results are shown below.

Distance (km)	12	5	8	9	11	6	10	4
Time (minutes)	14	4	10	10	11	7	12	5

a) Draw a scatter diagram to represent this data.

b) Draw a line of best fit on your diagram.

c) Use the line to estimate the time taken to travel a distance of 7km.