

Homework Exercise 6

(Out of 30)

1. A small local survey asked about the number of pairs of jeans owned by men and women (over 16).

The results are listed below.

3 4 2 8 3 6 7 2 4 7 2 3 4 1 6 6 7 3 3 8

1 5 3 4 2 6 6 3 5 2 4 5 2 6 7 4 4 3 2 3

- (a) Complete the frequency table for these numbers. (3)

Number of pairs of jeans	Tally marks	Frequency
1		
2		
3		
4		
5		
6		
7		
8		
	Total	

- (b) How many pairs of jeans were there in the survey? (1)

2. The table below shows Susan's expenditure every month:
Calculate her total expenditure. (1)

Expenditure	Amount
Rent	£375.50
Gas/Electricity	£88.54
Council Tax	£125.60
Mobile phone	£34.00
Food	£205.00
Total expenditure	

3. Susan's net pay is £1225.00 per month. Calculate how much she has left at the end of the month. (1)

4. Susan wants to go on a 7 night holiday to Turkey. The holiday will cost £395.00. Susan needs to pay for her holiday in 4 months.
How much does she need to save each month? (1)

5. Susan needs to buy a bottle of sun cream for her holiday.
A bottle of safetan lotion costs £6.80. A bottle of Tantan normally costs £7.64. This week there is a 10% discount on this product.
Which bottle of sun cream is cheaper? (2)

6. Susan wants to know what things she can do in Turkey.
She asks her friends what they like to do on holiday.
This is what she found out:

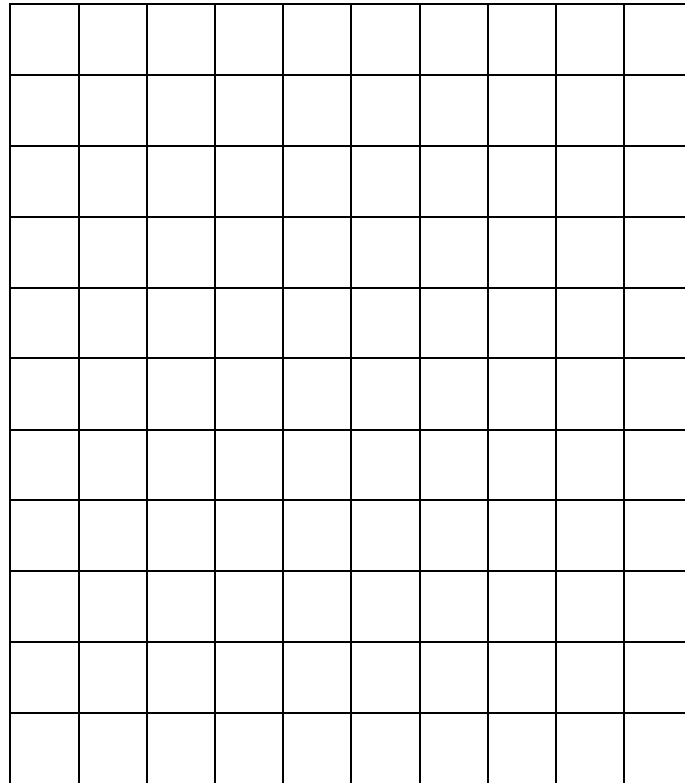
Pool	Bingo	Sun Bathing	Pool	Sun Bathing
Sun Bathing	Pool	Sun Bathing	Sun Bathing	Pool
Bingo	Sun Bathing	Pool	Pool	Bingo
Sun Bathing	Pool	Pool	Bingo	Sun Bathing

a) Put the data into a frequency table. (3)

b) Construct a bar graph to display the data

(3)

Things to do in Turkey



c) How many more people liked sunbathing compared to Bingo?

(1)

d) Use your bar chart to find out what most people like to do in Turkey? (1)

7. Find the mode, median and range of the following sets of data:

a) 5, 7, 1, 2, 8, 1, 4 b) 9, 6, 6, 2, 6, 8, 3, 8, 6, 6 c) 3, 4, 4, 3, 2, 4, 1 (12)

