Frequency Tables

Exercise 1

1) The number of pupils in 10 register classes are listed below.

28	27	30	29	31	29	30	30	32	28

Copy and complete the frequency table for these results.

Pupils	Tally	Frequency
27		
28		
29		
30		
31		
32		
		Total =

2) The number of goals scored at each game in a 5 a side tournament are listed below.

1	4	2	1	3	3	6	1	5	2
4	4	2	5	3	0	0	1	0	2

Copy and complete the frequency table for these results.

Pupils	Tally	Frequency
1		
2		
		Total =

3)   This is the shoe size of each member of a football team.

6, 8, 7, 7, 9, 6, 10, 6, 8, 7, 7

Make a frequency table and fill in the information.

4)   This is the number of desks counted in several classrooms.

27, 27, 26, 26, 26, 28, 28, 27, 28, 31, 31, 31, 30

Make a frequency table and fill in the information.

5)   This is a list of the number of sunny days during each month.

4, 5, 5, 5, 4, 8, 12, 12, 8, 5, 5, 4

Make a frequency table and fill in the information.

6)   James was doing a science project where he had to measure the lengths of twigs. Here is his list of sizes in centimetres:

2, 4, 3, 5, 4, 3, 2, 5, 3, 2, 5, 6, 5, 6, 5, 6, 5,

Make a frequency table and fill in the information.

7)   In a recent school survey some pupils were asked how many jotters they carried to school in their bags each day. Below are the results.

3, 4, 4, 4, 4, 5, 6, 5, 5, 4, 3, 4, 3

Make a frequency table and fill in the information.

8)   Becky asks how many roads people cross on their way to school.

4, 5, 6, 7, 5, 7, 6, 7, 7, 7, 7

Make a frequency table and fill in the information.

Exercise 2

1) The number of visitors to a local shop was recorded each day for two weeks. The results are shown below.

28	54	48	32	51	59	60
39	45	52	58	49	53	68

Copy and complete this frequency table for these results.

Visitors	Tally	Frequency
20 – 29		
30 – 39		
40 – 49		
50 – 59		
60 – 69		
		Total =

2) Joe recorded the number of minutes he used his phone over a 14 day period. The results are shown.

16	22	5	13	21	23	10
9	15	7	22	18	3	24

Copy and complete this frequency table for these results.

Minutes	Tally	Frequency
0 – 4		
5 – 9		
		Total =

3) The number of strokes recorded by 16 players in a golf tournament is shown below. Use this data to construct a grouped frequency table, remember to use suitable class intervals **(65-69, 70-74)**.

79	81	67	89	73	75	68	84
82	72	75	78	78	80	73	76

4) Each number below shows the score of 3 darts thrown by each member of 4C1. Using suitable class intervals construct a frequency table.

57	35	68	42	45	9	41	62	100	28	29	36	47	85
16	59	41	38	20	14	29	45	81	97	36	20	11	100

5) The number of pupils who own pets in each class in Larkhall Academy is shown below.

1	14	8	27	16	7	12	15
21	20	17	0	11	15	10	12
14	4	5	10	14	11	19	9
15	21	13	4	11	16	7	13

Show this information on a frequency table using suitable class intervals.

6) A class tidied their bedrooms and were asked to say how many coins they each found. The number of coins is listed below.   From this information construct a frequency table with suitable class intervals.

4	3	18	15	31	9	0	2
11	6	27	15	12	11	15	4
22	15	16	26	25	17	13	3
9	7	1	9	16	7	21	10

7) A list of waiting times in minutes in a doctor's surgery are shown.

Construct a frequency table with suitable class intervals for this data.

0	4	22	11	11	19	10	12
5	8	25	26	15	17	2	18
20	13	14	19	21	23	1	14
9	29	12	1	3	5	18	19
10	27	3	12	7	21	10	2

8) Pupils in an S3 carried out a survey of their heights.

Below are the results they recorded in centimetres.

Construct a frequency table with suitable class intervals for this data.

162	165	175	178	181	182	169	163
173	175	174	180	160	161	173	172
171	170	166	164	169	175	174	167
166	177	178	184	183	164		

9) The distances in metres, recorded at the long jump at the county sports are shown below.

Construct a frequency table with suitable class intervals for this data.

6.52	5.01	5.43	5.61	6.25	6.48	5.84	5.29
6.38	5.72	5.98	6.46	6.26	5.09	5.47	5.98
6.21	6.94	5.84	6.07	6.43	5.34	6.40	6.04

10) Survey your class on how many people are in their family.
Display this information in a suitable Frequency Table.