$\frac{1}{2}$

26

25

Using data set 4, what percentage of envelopes were at least 20 cm long?

28°C

Using data set 3, how many people visited at least 5 times?

35

Using data set 4, how many envelopes were less than 15 cm long?

Using data set 6, when did the temperature reach 20°C when falling?

Using data set 6, what was the temperature at 9 am?

$\frac{1}{4}$

$\frac{15}{22}$

Using data set 6, when did the temperature reach 27°C when rising?

Using data set 2, how many of the students study arts?

Using data set 3, how many people were surveyed altogether?

Using data set 3, how many people visited less than 6 times?

Using data set 3, how many people visited more than 15 times?

3

football

3 pm

20

5

6

10

$\frac{11}{25}$

28

21

9

$\frac{23}{45}$

Using data set 5, how many more preferred football than hockey?

Using data set 2, what fraction of the science students are male?

Using data set 4, how many envelopes were at least 20 cm long?

Using data set 2, what fraction of the students studied humanities?

Using data set 7, what proportion preferred Marge?

Using data set 1, what fraction own a pet?

Using data set 1, what fraction of the pet−owners are female?

Using data set 2, what proportion of male students study arts?

Using data set 7, how many preferred Maggie?

24

$\dfrac{40}{91}$

20°C

18

Using data set 5, how many pupils were there altogether?

Using data set 1, how many boys are there?

Using data set 1, how many do not own a pet?

Using data set 7, how many people preferred Bart?

$\dfrac{57}{165}$

Using data set 7, what proportion favoured Lisa?

63

11 am

Using data set 6, what was the temperature at midday?

Using data set 4, what proportion of envelopes were less than 15 cm long?

Using data set 4, how many envelopes were at least 10 cm but less than 20 cm long?

13

4

$\dfrac{9}{2}$

Using data set 5, which was the favourite sport?

17

Using data set 7, what percentage preferred Marge?

More resources from www.mathssite.com

GCSE Foundation Level   Data 1 & 2   Supplementary information

Data set 1

Mehreen did a survey about the pets that her friends own. She put the results is a 2 way table.

	Pet	No pet	Total
Boy	7	10	
Girl	15	18	

Data set 2

The table shows the type of studies of a group of students.

	Science	Humanities	Arts	Total
Female	22		23	74
Male				
Total	45	57		165

Data set 3

This survey shows how many times a group of people visited Asdi supermarket in September:

```
24   11   20    1   19   19
23   25   12    9   18   14
25    6   15   12    7   11
 5    2   15    9   16   15
```

Score	frequency
1 - 5	
6 – 10	
11 – 15	
16 – 20	
21 - 25	

Data set 4

Envelopes arriving one day at Hoseph Jamberlain College were measured. The widths, in cm, were as follows:

```
11.8   10.3   20.5   15.4   19.2
17.0   22.7   12.8    9.7   18.9
20.4    8.1   15.9   12.2   20.6
 6.9   10.0   11.3   10.0   16.1
```

Score	frequency
5 ≤ w < 10	
10 ≤ w < 15	
15 ≤ w < 20	
20 ≤ w < 25	

Data set 5

The pupils in a class at a secondary school were asked what their favourite sport was. A pictogram was shown of the results.
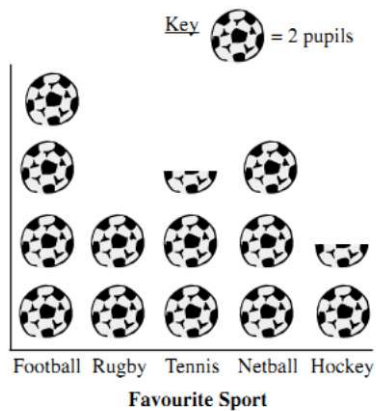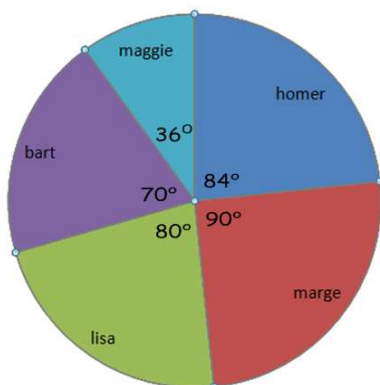

Favourite Sport

Data set 6

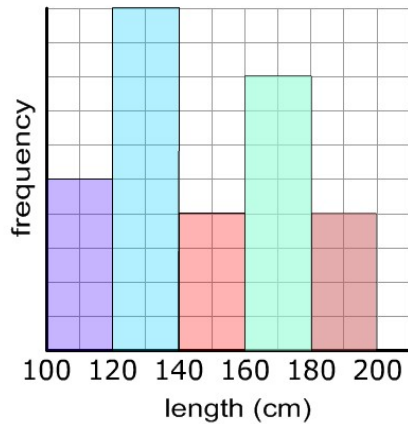The graph shows the temperature over one day in June.
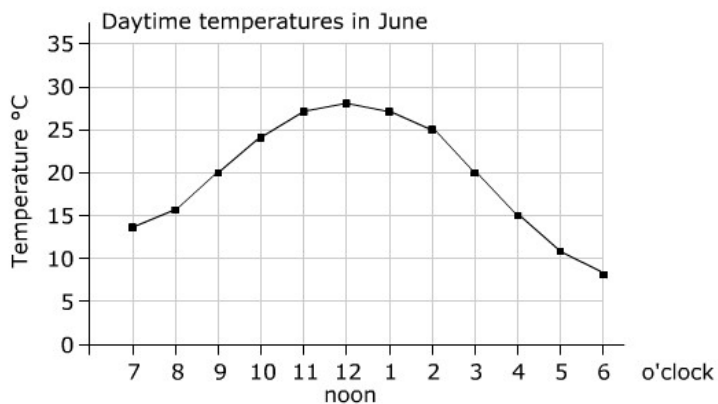
Data set 7

A group of 180 people were asked which was their favourite Simpsons family character. A pie chart was drawn of the results.

Data set 8

The histogram shows the lengths of alligators found in a river in Australia.
There are 50 alligators between 120 cm and 140 cm in length.

length (cm)

Data set 9

The stem and leaf diagram shows the ages of people at a party.

1	3	4	8	8	9				
2	0	1	2	2	4	6	6	6	8
3	1	1	2	2					
4	2	3	6						
5	1	8	9						
6	5	9							
7	6								

Key: 1 | 3   = 13 years

Data set 10

The stem and leaf diagram shows the weights of two groups of male 20 year olds, from towns A and B.

```
              5 1 0 0 | 6  | 2 2 3 4
                6 4 2 | 7  | 1 7 8 9
Town A    7 7 6 5 1 | 8  | 0 4 4 4 6        Town B
            9 8 7 4 0 | 9  | 0 2 3 5 5 9
        6 4 2 2 2 1 | 10 | 2 3 3 4 6 6 7 9
```

Key: 7 | 5   = 75 kg

3

Data set 11

A group of people were asked the question: "How many times did you shop at the supermarket last week?" Their responses are summarised in the table:

Number of visits	frequency
0	3
1	4
2	5
3	6
4	2
5	3

Data set 12

The time it took to complete a frame of snooker at a tournament was recorded as follows:

Time taken (minutes)	frequency
0 < t ≤ 10	10
10 < t ≤ 20	18
20 < t ≤ 30	17
30 < t ≤ 60	14