
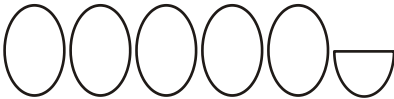





1. The pictogram shows the number of different birds that visited a bird table in one hour.

Key  represents 2 birds

Sparrow	
Starling	
Thrush	
Blackbird	
Robin	

- (a) How many sparrows visited the table?

.....

Answer

(2)

- (b) Five robins visited the table. Fill in the pictogram to show this number.

(2)

- (c) How many more thrushes than blackbirds visited the table?

.....

Answer

(2)

(Total 6 marks)

2. (a) The holiday destinations of 30 students were recorded.

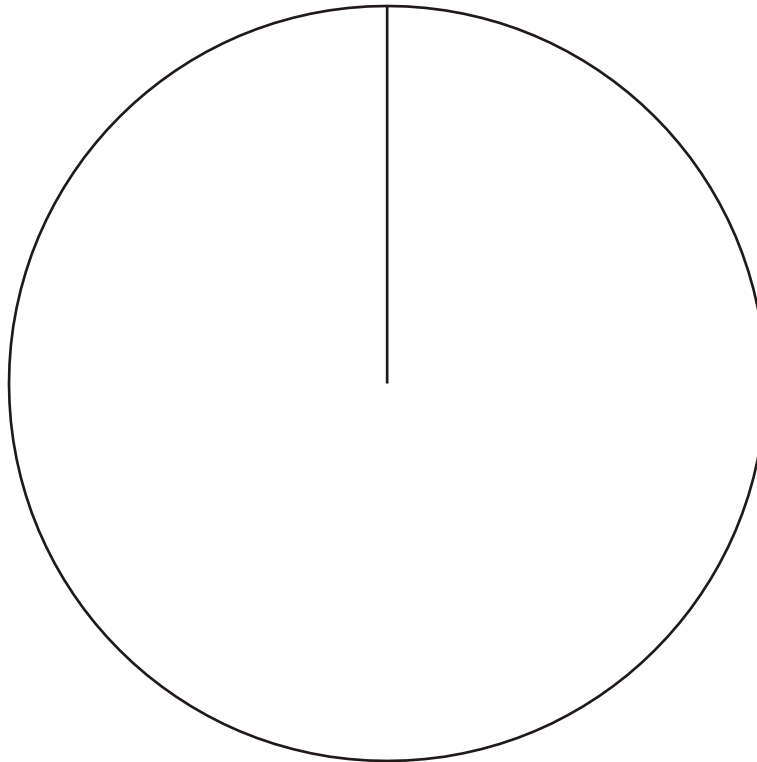
Destination	France	Spain	Italy	Greece	America
Number of students	6	9	3	7	5

Draw a clearly labelled pie chart to represent this information.

.....

.....

.....



(4)

- (b) What percentage of the 30 students went to France for their holiday?

.....

.....

Answer%

(2)

(Total 6 marks)

3. An artist showed four paintings to 60 people and asked them which one they liked best. The table shows how many people chose each painting.

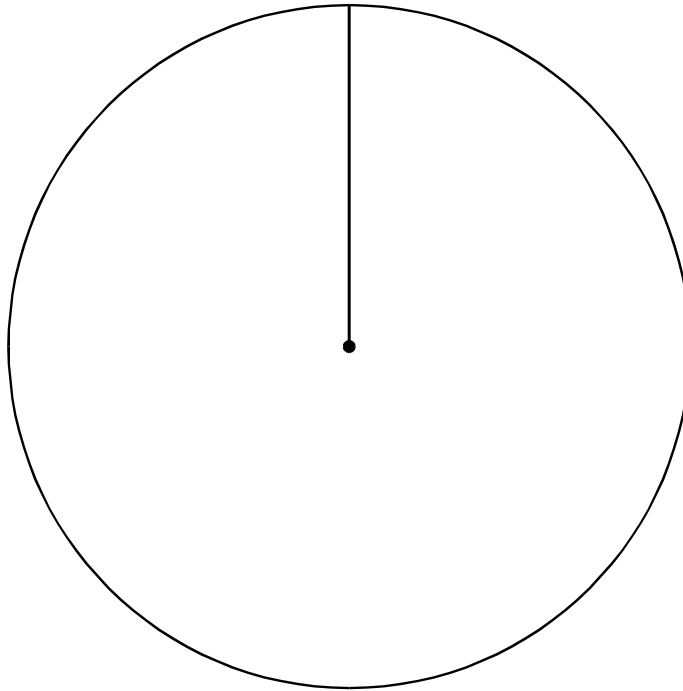
Painting	Frequency
A	15
B	20
C	10
D	15

Draw and label a pie chart to represent the information in the table.

.....

.....

.....



(4)

- (b) The artist says that the probability that a person likes picture B best is $\frac{1}{4}$.

Show that this is not true for the above data.

.....

.....

(1)
(Total 5 marks)

5. The marks of 17 pupils are recorded on a stem and leaf diagram.

0	7 8 9	Key: 3 1 means a mark of 31
1	0 1 2 5 6	
2	2 3 3 4 7 8	
3	1 2 5	

(a) What is the range of these data?

.....

Answer (1)

(b) What is the median mark?

Answer (1)

(c) What is the modal mark?

Answer (1)

(Total 3 marks)

6. The temperature is recorded in 19 towns on one day.

9	14	21	15	2	10	11	17	7	24
23	18	5	11	4	20	18	23	4	

(a) Draw a stem and leaf diagram to represent these data and complete the key.

Key | | represents

(3)

(b) The median of these temperatures is 14.

The temperature of another town is then included.

(i) Write down a temperature which would reduce the median.

Answer (1)

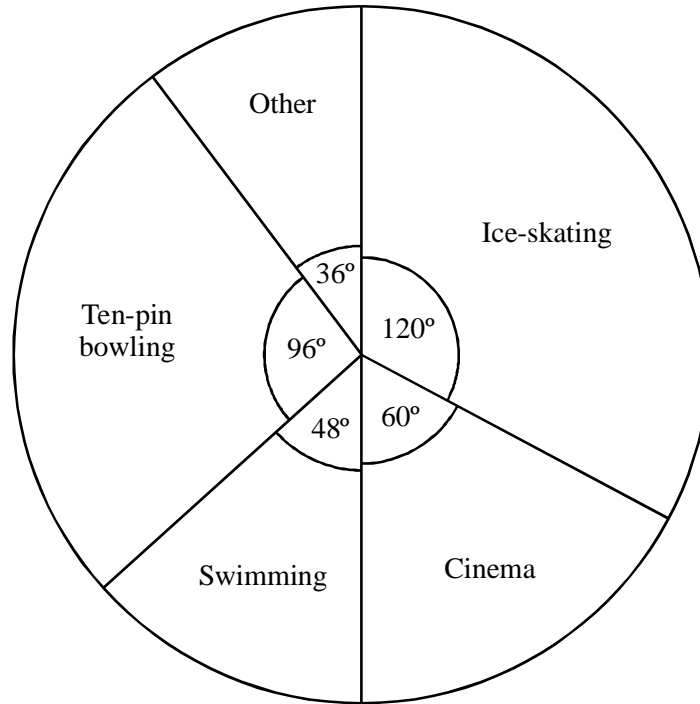
(ii) What temperature would reduce the median to 13?

.....

Answer (1)

(Total 5 marks)

4. The pie chart shows the activities chosen by 30 teenagers at a leisure centre.



(a) What fraction of the teenagers chose ice-skating?

.....

Answer

(1)

(b) How many of the teenagers chose ice-skating?

.....

Answer

(2)

(Total 3 marks)

7. A badminton club has both male and female members.
The table shows the distribution of the ages of the male club members.

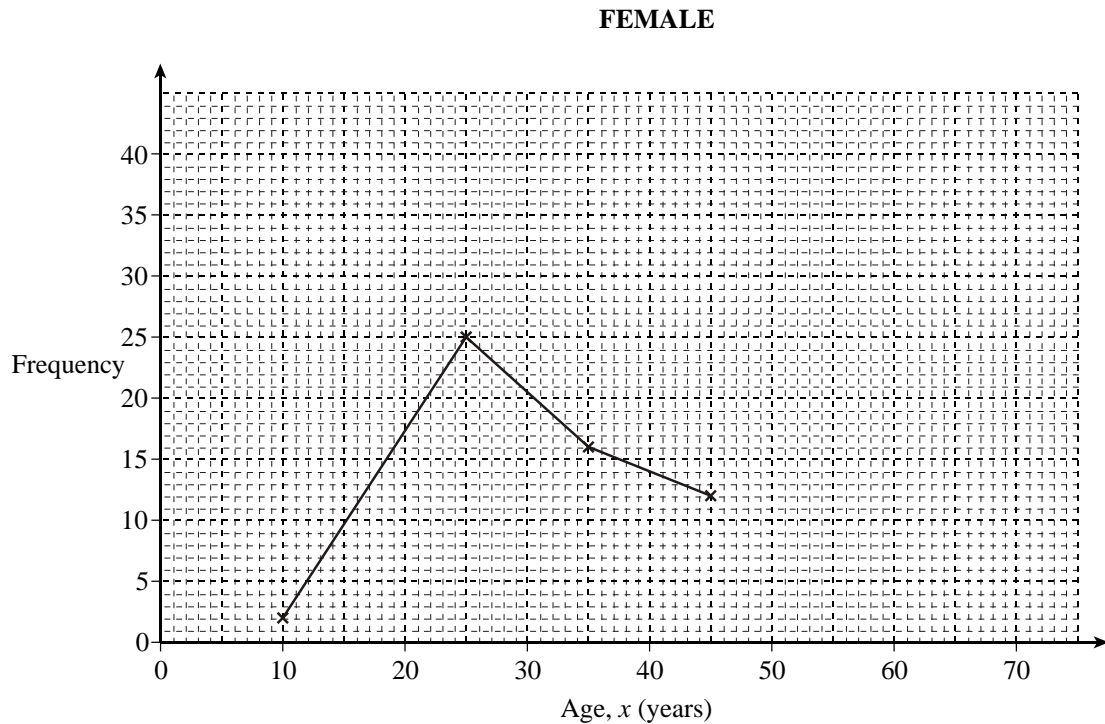
Age, x (years)	Frequency
$10 \leq x < 20$	6
$20 \leq x < 30$	28
$30 \leq x < 40$	36
$40 \leq x < 50$	23
$50 \leq x < 60$	14
$60 \leq x < 70$	2

(a) Draw a frequency polygon for this data.



(2)

(b) The frequency polygon below shows the age distribution of the female club members.



Write down **two** comparisons between the ages of the male and female members at this club.

Comparison 1:

.....

Comparison 2:

.....

(2)

(Total 4 marks)