Q1. The following are the number of students in each group of a coaching institute:

25, 27, 32, 26, 17, 19, 25, 27, 23

Find the range of the given data.

Range of the given data: _____.

Q2. In a park, 15 children were asked their favourite sport. Their answers were recorded as given below:

Football, Cricket, Hockey, Badminton, Cricket, Hockey, Volleyball, Cricket, Hockey, Badminton, Cricket, Football, Football, Cricket, Cricket

Which sport has the highest frequency?

Answer: _____

Q3. The following are the heights (in cm) of 20 students of a class:

145	158	164	160	161
152	157	150	167	151
147	149	159	145	162
167	153	148	148	168

Form a frequency distribution table by using classes 145–150, 150–165, etc.

Q4. The following table shows the frequency distribution of weights (in kg) of students of a class:

| Weight (in kg)	Number of students
30 – 35	15
35 – 40	12
40 – 45	8
45 – 50	5

a. What is the upper limit of the class interval 40 – 45? _____

b. The weights of how many students are recorded here? _____

c. What is the frequency for the class interval 35 – 40 ? _____

Q5. **The following table records the number of equipments sold in the first six months at an electronics shop:**

Month	Number of equipments sold
January	95
February	110
March	105
April	120
May	130
June	125

Draw a bar graph to represent the above data.

Q6. **The following bar graph shows the rainfall (in cm) during six months in a city:**


Rainfall in six months in a city
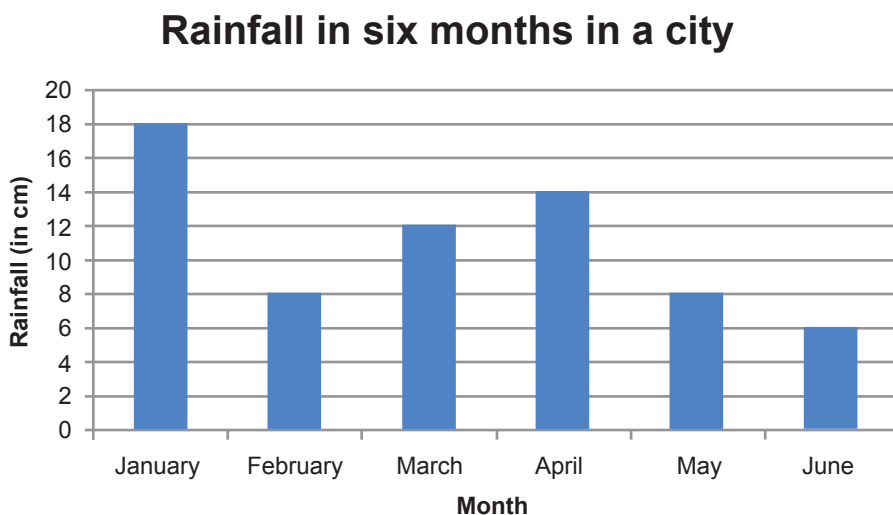
Observe the graph carefully and answer the questions given below:

a. Which month received least rainfall? _____

b. Which two months received the same amount of rainfall? _____

c. How much more rainfall was received in February than in June?

_____

d. Which month was the wettest? _____

Q7. The following table shows the percentage of various equipments sold in a shop in a month. Fill in the central angle for the following and draw a pie chart for the given data:

Equipment	Percentage	Central Angle
Mixer–grinder	15	_____
Steam iron	45	_____
Geyser	10	_____
Fan	25	_____
Heater	5	_____

Q8. The following pie chart shows newspapers recycled (in kg) by various classes of a school. Study the pie chart and answer the following questions:
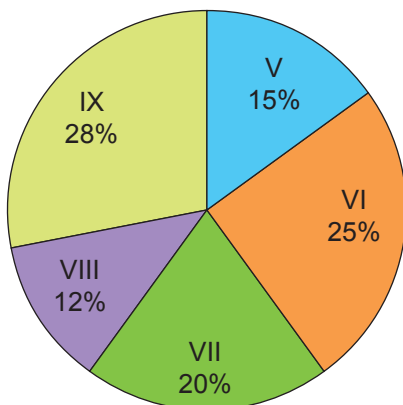

a. If class VII recycled 50 kg of newspaper, how much quantity was recycled by class VIII?

_____

b. If class V recycled 60 kg of newspaper, how much newspaper was recycled by all the classes put together?

_____

c. If class VI alone recycled 50 kg, how much paper was recycled by the rest of the classes?

_____

Q9. The distance (in km) of residences of 25 employees from their workplace is recorded in the table given below:

2	23	12	4	18
4	3	7	11	21
11	7	20	3	6
9	24	9	14	20
17	13	15	1	24

Group the distances into classes of 1 – 5 , 5 – 10 , 10 – 15 etc. and prepare a histogram for the data recorded below:

Q10. The following histogram shows the temperature recorded in 50 different cities of India:
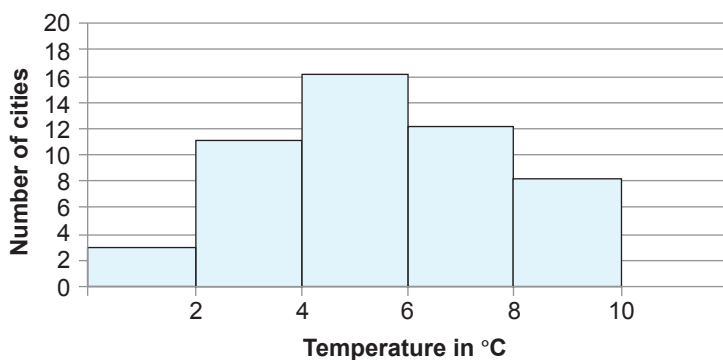
Find the following based on the histogram:

a. The number of cities having temperature less than 4°C is _____.

b. Maximum cities fall in the class interval _____.

c. All the cities have temperature less than _____.

d. The class interval having frequency 12 is _____.

Answers
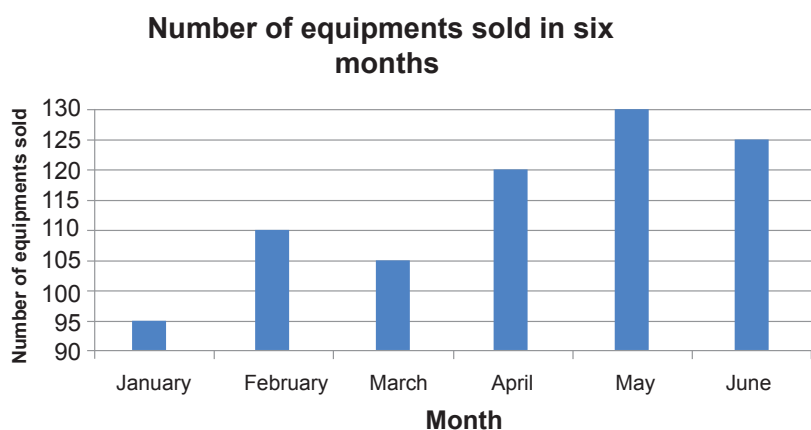
1. 15
2. Cricket
3.

Marks	Frequency
145 – 150	6
150 – 155	4
155 – 160	3
160 – 165	4
165 – 170	3

4. a. 45; b. 40 students; c. 12
5.

Number of equipments sold in six months

6. a. June; b. February and May; c. 2 cm; d. January
7.

Equipment	Percentage	Central Angle
Mixer–grinder	15	54°
Steam iron	45	162°
Geyser	10	36°
Fan	25	90°
Heater	5	18°
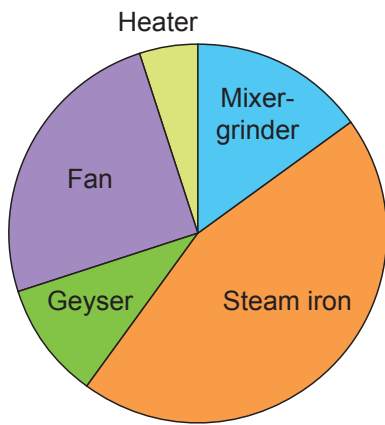
8. a. 30 kg; b. 400 kg; c. 150 kg

9.

10. a. 14; b. 4 − 6; c. 10°C; d. 6 − 8