Q1. The following are the number of employees in each department of XYZ Pvt Ltd:

15, 10, 12, 12, 15, 18, 20, 10, 8, 8, 12, 15

Find the range of the given data.

Range of the given data: _____.

Q2. 12 children of a nursery class were asked their favourite day of the week. Their answers were recorded as given below:

Monday, Sunday, Wednesday, Wednesday, Sunday, Tuesday, Sunday, Monday, Sunday, Monday, Sunday, Sunday

Which weekday has the highest frequency?

Answer: _____

Q3. The following are the marks obtained by 20 students of a class in the algebra test:

15	24	10	12	13
16	12	9	5	8
21	9	24	24	20
18	17	14	19	21

Form a frequency distribution table by using classes 5–10, 10–15, 15–20, etc.

Q4. The following table shows the daily pocket expenses of 41 students of a class:

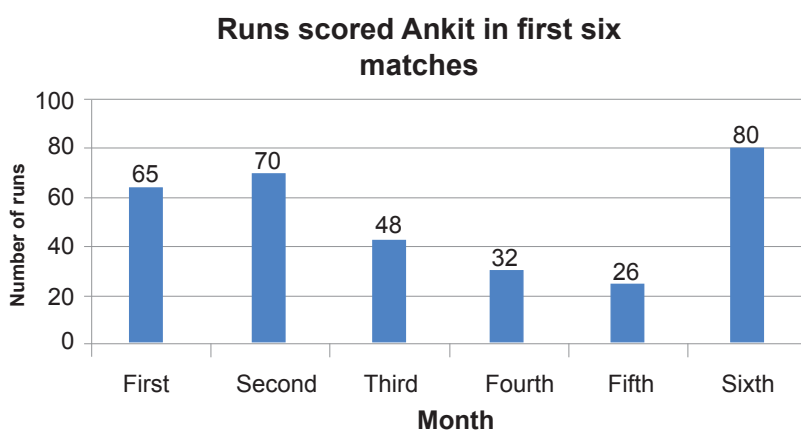| Pocket money	Number of students
30 – 40	12
40 – 50	10
50 – 60	8
60 – 70	11

a. What is the class size of each class interval? _____

b. What is the frequency of the class interval 50–60? _____

c. What is the lower limit of the class interval 30–40? _____

d. What is the interval of the highest paid pocket money? _____

Q5. **The following table records the number of cups of coffee sold in the last week at a coffee shop:**

Week day	Number of cups of coffee
Monday	55
Tuesday	60
Wednesday	62
Thursday	62
Friday	56

Draw a bar graph to represent the above data.

Q6. **The following bar graph shows the runs scored by Ankit in his first six matches:**
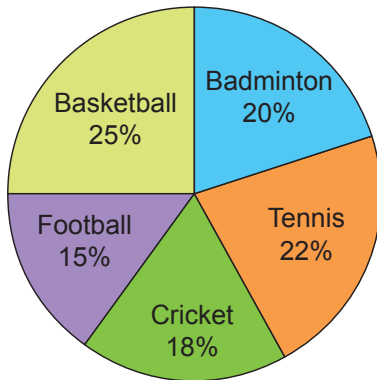

Runs scored Ankit in first six matches

Observe the graph carefully and answer the questions given below:

a. In which match did he score the highest number of runs? _____

b. What is Ankit's lowest score? _____

c. What is the difference between the runs scored in first and fourth match? _____

d. In which match did he score as much as he scored in third and fourth match combined together? _____

Q7. Draw a pie chart for the following data showing the profit earned by Ajay in the first six months.

Month	May	June	July	August	September	October
Profit Earned	80,000	75,000	1,25,000	2,00,000	1,75,000	2,50,000

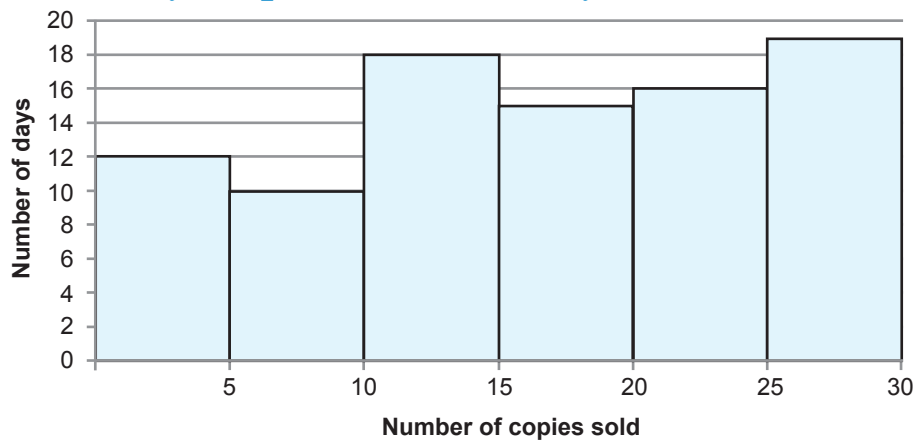**Q8. The following pie chart shows the favourite sport of a group of students:**

Observe the pie chart and answer the following questions:

a. If 54 students like football, how many students like badminton?

_____

b. Find the central angle in the pie chart corresponding to number of students who like basketball.

_____

c. If 18 students like football, how many students in total were asked about their favourite sport?

_____

Q9. Given below are the height (in cm) of 20 students of a class. Group the heights into classes of 100 – 105, 105 – 110 , 110 – 115 etc. and prepare a histogram for the data recorded below:

104	123	110	107	107
116	101	123	109	113
115	116	102	124	127
121	125	106	104	102

Q10. The histogram given below depicts the number of notebooks sold by a stationery shop in the last 90 days.

Answer the questions based on the histogram given above:

a. What is the size of each class interval? _____

b. On how many days was the sale less than 10? _____

c. If the shopkeeper starts earning profit only after selling 14 notebooks, on how many days did the shopkeeper earn profit? _____
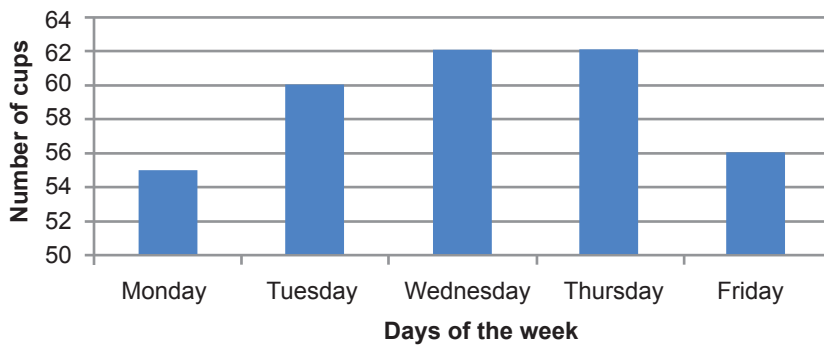
Answers

1. 12

2. Sunday

3.

Marks	Frequency
5 – 10	4
10 – 15	5
15 – 20	5
20 – 25	6

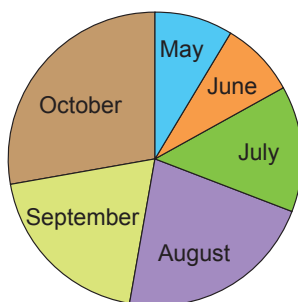**4.** a. 10; b. 8 students; c. 30; d. 60 – 70

5.

Number of cups of coffee sold in a week
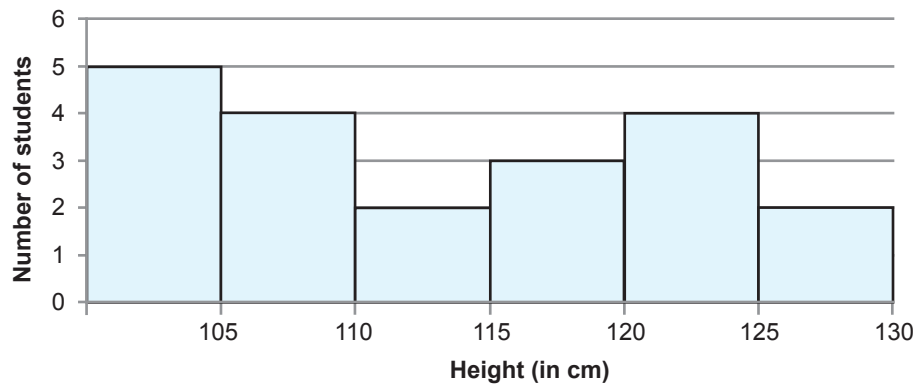

6. a. Sixth; b. 26; c. 33 runs; d. Sixth

7.

Profit earned by Ajay in six months

8. a. 72 students; b. 90°; c. 120 students

9.

10. a. 5; 22 days, 50 days