

Important Questions for CBSE Class 6 Maths Chapter 9 – Data Handling

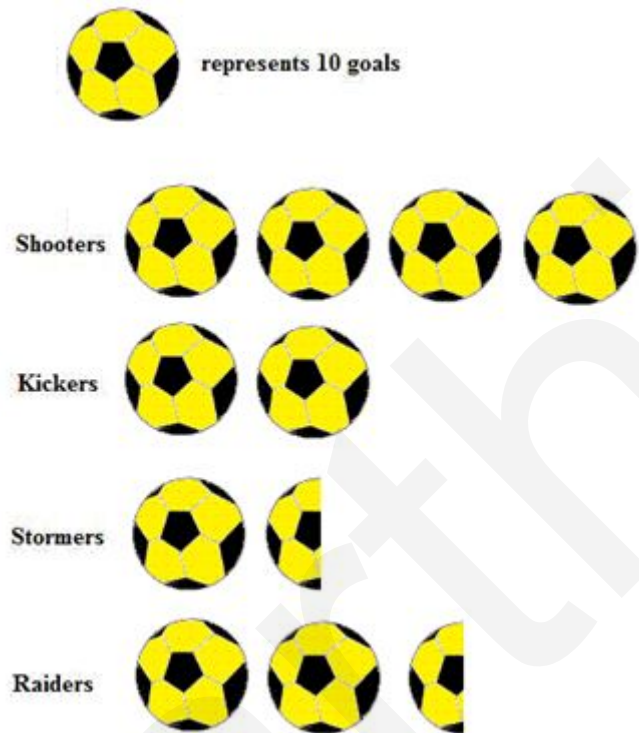
Ch-9 Data handling

1. Following frequency distribution table shows marks (out of 50) obtained in English by 45 students of class VI. Which two classes have the same frequency?

Class Interval	Frequency
0 – 10	1
10 – 20	6
20 – 30	20
30 – 40	12
40 – 50	6
Total	45

1. 10 – 20 and 40 – 50
 2. None of these
 3. 10 – 20 and 20 – 30
 4. 20 – 30 and 40 – 50
2. The pictograph shows the numbers of goals scored by four soccer teams in a season. How many goals did Kickers score?
1. 20
 2. None of these
 3. 10
 4. 15

3. The following pictograph shows the number of absentees in a class of 50 students during the previous week. On which day were the maximum number of students absent?



Days	Number of Absentees
Monday	      
Tuesday	   
Wednesday	
Thursday	     
Friday	      
Saturday	

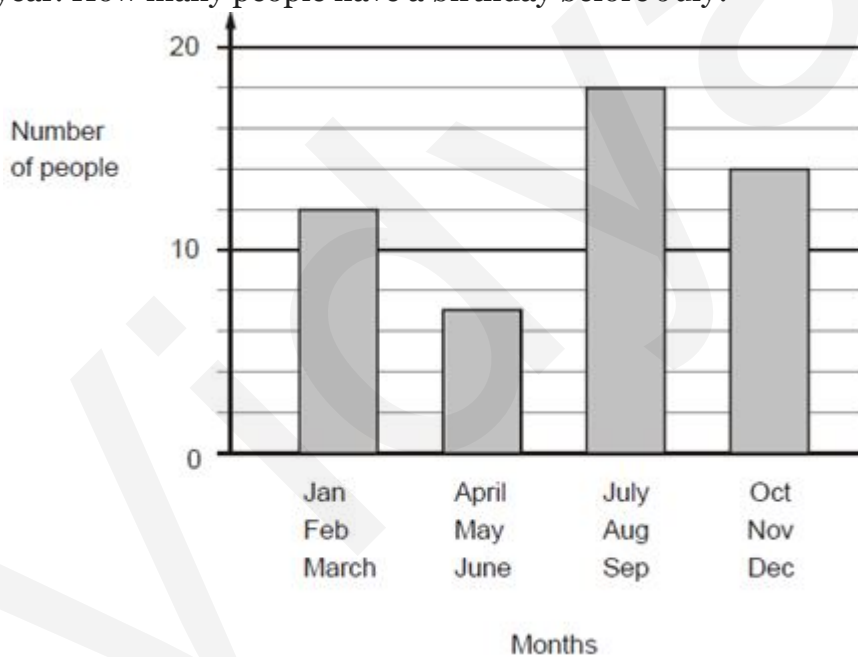
 = 5 students

1. Saturday
 2. Friday
 3. Thursday
 4. Wednesday
4. A _____ is a collection of numbers gathered to give some information.
1. Tally mark
 2. Data
 3. None of these
 4. Frequency

5. In a village six fruit merchants sold the following number of fruit baskets in a particular season. How many fruit baskets were sold by Rahim?

Name of fruit merchants	Number of fruit baskets	 - 100 Fruit baskets
Rahim	   	
Lakhanpal	     	
Anwar	      	
Martin	         	
Ranjit Singh	        	
Joseph	    	

1. 700
 2. 400
 3. 500
 4. 650
6. This chart shows the number of people with birthdays in each three months of the year. How many people have a birthday before July?



1. None of these
2. 7
3. 12
4. 19

7. Match the following:-

Column A	Column B
1. 	(a) 8
2. 	(b) 6
3. 	(c) 5
4. 	(d) 3

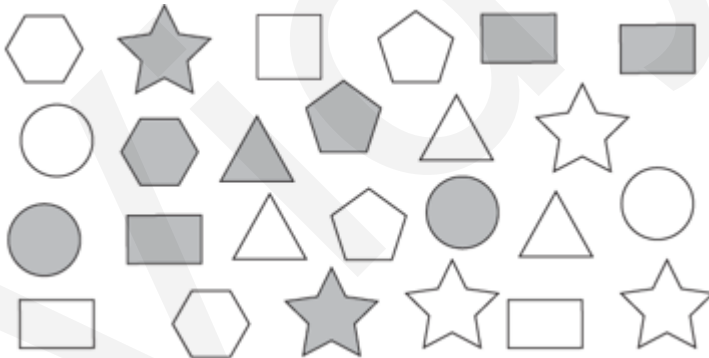
8. Fill up the following:

- Representation of data with the help of tally marks is called _____.
- In a bar graph width of rectangle is always _____.
- The tally mark  represents _____.
- In a bar graph, _____ can be drawn horizontally and vertically.

9. State true or false:

- A bar graph represents data in the form of pictures, object or parts of objects.
 - Data is a collection of numerical figures giving required information.
 - In a bar graph width of rectangle is always equal.
 - The tally mark  represents 5.
10. A collection of numbers gathered to give some information is called?

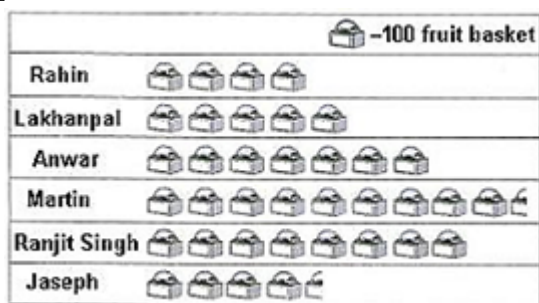
11. For a math assignment a group of students had to draw their favorite shapes.
The following pictures represent their choices. Each picture stands for 25 shapes.



12. The colors of fridges preferred by people living in a locality are shown by the following pictograph
Which colour most liked by the people?

Colours	Number of people	 - 10 People
Blue	    	
Green	  	
Red	     	
White	 	

13. In a village six fruit merchants sold the following number of fruit baskets in a particular season:



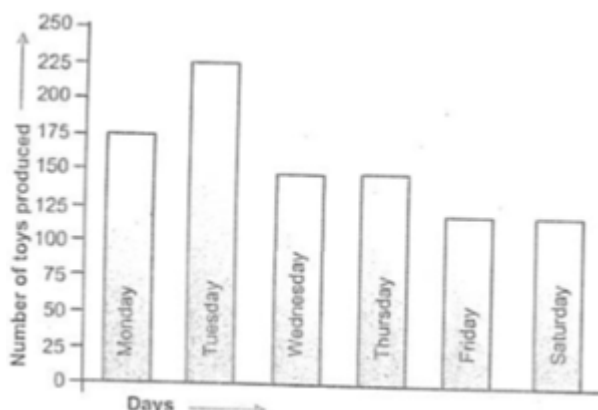
Observe this pictograph and answer the following questions:

- Which merchant sold the maximum number of baskets?
 - How many fruit baskets were sold by Answer?
 - The merchants who have sold 600 or more number of baskets are planning to buy a godown for the next season. Can you name them?
14. A survey of 120 school students was done to find which activity they prefer to do in their free time :

Preferred activity	Number of Students
Plying	45
Reading story books	30
Watching T.V.	20
Listening music	10
Painting	15

Draw a bar graph to illustrate the above data taking scale of 1 unit length = 5 students. Which activity is preferred by most of the students other than playing ?

15. The bar graph shows the number of toys produced by a factory during a certain week:



Answer the following questions:

1. On which day the maximum number of toys were produced?
2. On which day equal number of toys were produced?
3. What is the total number of toys produced during the week?
4. In which day minimum number of toys were produced?

Answer

1.

- a. 10 – 20 and 40 – 50

Explanation: Both have 6 frequency

2.

- a. 20

Explanation: $2 \times 10 = 20$

3.

- b. Friday

Explanation: As Friday has number of absentees $8 \times 5 = 40$. highest number in the week.

4.

- b. Data

Explanation: collection of data = information

facts and statistics collected together for reference or analysis is called data

5.

- a. 400

Explanation: $4 \times 100 = 400$

6.

- d. 19

Explanation: $12 + 7 = 19$

7.

1. $\rightarrow \rightarrow$ (b)

2. $\rightarrow \rightarrow$ (a)

3. $\rightarrow \rightarrow$ (d)

4. $\rightarrow \rightarrow$ (c)

8.

1. frequency distribution table
2. equal
3. 5
4. bar

9.

1. False; A pictograph represents data in the form of pictures, object or parts of objects.
2. True
3. True
4. True

10. Data is collection of numbers gathered to give some information.

11. Total pictures = 25

Each picture stands for 25 shapes.

So, Total shapes students drew altogether = $25 \times 25 = 625$ shapes

12. Number of people liked Red colour = $5 \times 10 + 5 = 55$

Number of people liked White colour = $2 \times 10 = 20$

Number of people liked Green colour = $3 \times 10 = 30$

Number of people liked Blue colour = $5 \times 10 = 20$

Hence, Red colour most liked by the people.

13.

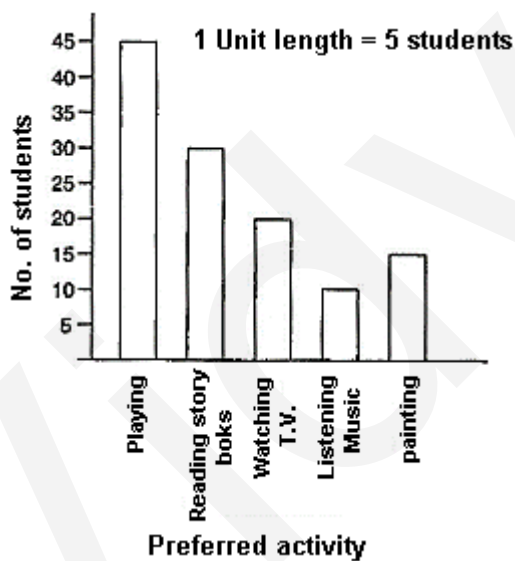
1. martin sold the maximum number of baskets.
2. $7 \times 100 = 700$ fruit baskets were sold by Answer.
3. Answer, Martin and Ranjit Singh are planning to buy a godown for the next season.

14.

1. Draw two perpendicular lines – one vertical and one horizontal.
2. Along horizontal line mark the “Preferred activity” and along vertical line mark the “No. of students”.
3. Take bars of same width keeping uniform gap between them.
4. Take scale of 1 unit length = 5 students along the vertical line and then mark the corresponding values.
5. Calculate the heights of the bars for various activities preferred as shown below :

Playing	$45 \div 5 = 9$ units
Reading story books	$30 \div 5 = 6$ units
Watching T.V.	$20 \div 5 = 4$ units
Listening music	$10 \div 5 = 2$ units
Painting	$15 \div 5 = 3$ units

6. Now draw various bars.



The activity “Reading story books” is preferred by most of the students other than playing.

15.

1. The maximum number of toys were produced on Tuesday.
2. Wednesday and Thursday, Friday and Saturday have equal number of toys were produced.
3. Total number of toys produced in the week = $175 + 225 + 150 + 150 + 125 + 125 = 900$
4. Minimum number of toys were produced on Friday and Saturday.