

Class: 6
Subject: Mathematics
Topic: Handling
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1. Representation of data in the form of picture is called

- A. bar graph
- B. pictograph
- C. histogram
- D. picture graph

Right Answer Explanation: B

Representation of data in the form of picture is called pictograph.

2. In a bar graph, the space between the rectangles is always

- A. unequal
- B. increasing
- C. decreasing
- D. equal

Right Answer Explanation: D

In a bar graph, the space between the rectangles is always equal.

3. In a bar graph, the widths of the rectangles are

- A. non-uniform
- B. increasing
- C. decreasing
- D. uniform

Right Answer Explanation: D

In a bar graph, the widths of the rectangles are uniform

4. In a bar graph, the bars are made
- A. horizontally
 - B. vertically
 - C. sometimes horizontally sometimes vertically
 - D. oblique

Right Answer Explanation: C

In a bar graph, the bars are made either vertically or horizontally, as is convenient.

5. What is the number of people who prefer a red car?

Colours	Tally marks (I = 10)
White	IIII II
Black	IIII
Grey	IIII I
Blue	IIII
Red	II

- A. 20
- B. 30
- C. 40
- D. 50

Right Answer Explanation: A

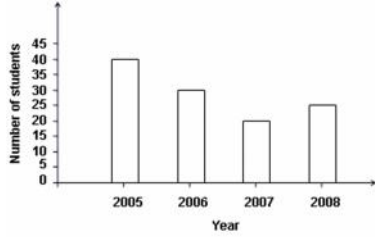
Tally marks for the people who prefer a red car are II, where I represent 10 people.

So, the number of people who prefer red car is 20.

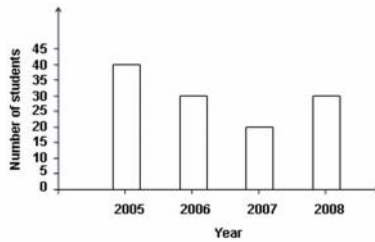
6. The following table shows the number of students in a particular class of a school:

Year	Number of Students
2005	40
2006	29
2007	20
2008	35

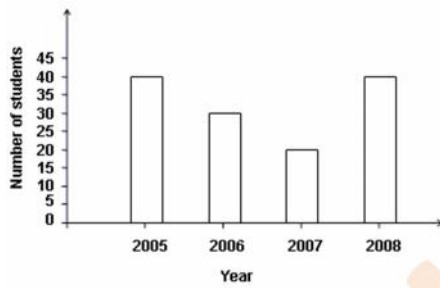
Which of the following is the best bar graph representation of the above given data?



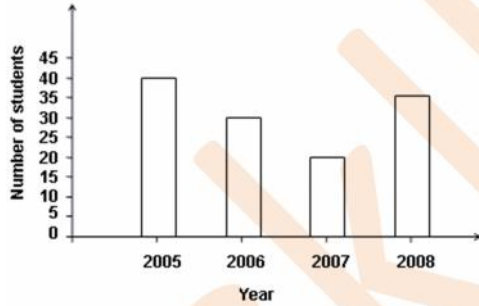
A.



B.

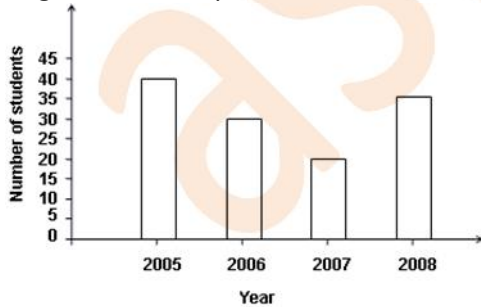


C.



D.

Right Answer Explanation: D



Only option (4) represents the given table correctly.

7. Data is collected to give some information. Which of the following is not a typical data?

- A. Collection of numbers
- B. Collection of figures
- C. Collection of names
- D. Collection of stars

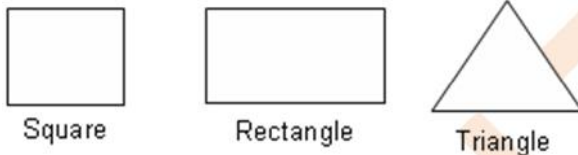
Right Answer Explanation: D

Data can be a collection of numbers, figures, names etc.
But, data cannot be a collection of stars.

Example:

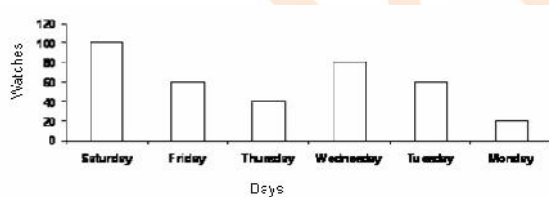
(i) Collection of numbers: 1, 4, 2, 6, 4, 8, 9, 0, 7

(ii) Collection of figures:



(iii) Collection of names: Amit, Raju, Sumit, Anil etc.

The following bar graph shows the number of watches sold on different days:



8. How many more watches are sold on Saturday than on Tuesday?

- A. 60
- B. 100
- C. 40
- D. 20

Right Answer Explanation: C

Number of watches sold on Tuesday = 60

Number of watches sold on Saturday = 100

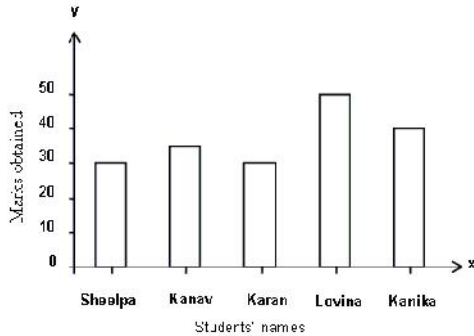
∴ Difference = (100 - 60)

= 40

Hence, 40 more watches are sold on Saturday than on Tuesday.

Hence, (3) is the correct option.

9. The given graph shows the marks (out of 50) obtained by five students in Maths:



Who got 80% marks?

- A. Kanika
- B. Karan
- C. Lovina
- D. Kanav

Right Answer Explanation: A

Marks obtained by Kanika = 40

$$\text{Percentage} = \frac{40}{50} \times 100 = 80\%$$

Hence, (1) is the correct option.

10. How much more money did Liam spend than Sam according to the given pictograph?

Name	Marbles
John	£45
Sam	£80
Emy	£60
Liam	£95

- A. £10
- B. £12
- C. £13

D. £15

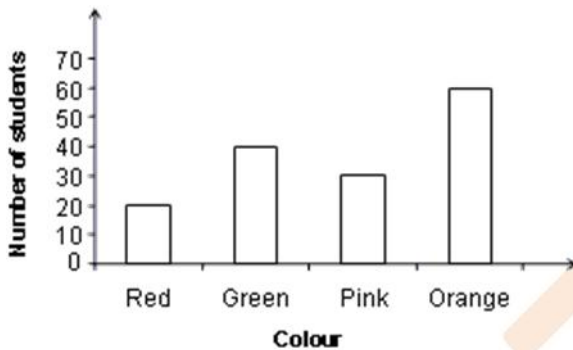
Right Answer Explanation: D

Money spent by Liam = £95

Money spent by Sam = £80

Difference = £95 – £80 = £15

11. Observe the graph given below showing the favorite colour of students of class VII. How many more students like orange colour than red colour?



- A. 40
- B. 20
- C. 30
- D. 10

Right Answer Explanation: A

Number of students who like orange colour = 60

Number of students who like red colour = 20

Difference = 60 – 20 = 40

40 more students like orange colour than red colour.

Hence, (1) is the correct option.

12. The given table shows the number of cars sold in 4 months. Which of the following is the best pictographic representation if represents 20 cars and represents 40 cars?

Month	Number of cars sold
January	60

February	100
March	20
April	80

- A.
- | Month | Number of cars sold |
|----------|--|
| January | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| February | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| March | <input checked="" type="checkbox"/> |
| April | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
- B.
- | Month | Number of cars sold |
|----------|--|
| January | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| February | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| March | <input type="checkbox"/> |
| April | <input checked="" type="checkbox"/> <input type="checkbox"/> |
- C.
- | Month | Number of cars sold |
|----------|--|
| January | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| February | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| March | <input type="checkbox"/> |
| April | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
- D.
- | Month | Number of cars sold |
|----------|---|
| January | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| February | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| March | <input checked="" type="checkbox"/> |
| April | <input checked="" type="checkbox"/> <input type="checkbox"/> |

Right Answer Explanation: C

January 60 =
 40 +
 20

February 100 =
 40 +
 40+
 20

March 20 =
 20

April 80 =
 40 +
 40

Hence, (3) is the correct option.

13. The table given below shows the number of books in a library:

Subject	Number of Books
1. Maths	
2. History	
3. Geography	
4. Science	
5. Music	

What is the total number of math's and science books in the library?

- A. 28
- B. 26
- C. 29
- D. 27

Right Answer Explanation:

|||| represents 5

Number of math's books = 13

Number of science books = 16

Total = 29

Hence, (3) is the correct option.

14. The following data is collected for shoe sizes of 20 students of class V.

4, 7, 6, 4, 4, 6, 6, 7, 5, 5, 4, 4, 7, 7, 6, 6, 4, 5, 6, 7

Which of the following options represents the correct tally chart for the given data?

- A.

4	
5	
6	
7	
- B.

4	
5	
6	
7	
- C.


4	
5	
6	
7	


4	
5	
6	
7	


D.

Right Answer Explanation: B

Given data for shoe sizes = 4, 7, 6, 4, 4, 6, 6, 7, 5, 5, 4, 4, 7, 7, 6, 6, 4, 5, 6, 7

Size 4 occurs 6 times, i.e.  | in tally marks.
 Size 5 occurs 3 times, i.e. | | | in tally marks.

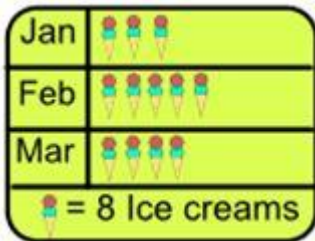
Size 6 occurs 6 times, i.e.  | in tally marks.

Size 7 occurs 5 times, i.e.  in tally marks.

Therefore, the required tally chart is:

4	
5	
6	
7	

15. How many Ice creams did the Ice cream man sell in March?



- A. 24
- B. 16
- C. 32
- D. 8

Ans. C (1 pictorial ice-cream= 8 ice-creams. So $4 \times 8 = 32$ ice creams in march.)

16. The pictograph shows the earnings of four men in one week. As well as whole notes representing USD 100, there can be quarter, half and three-quarter notes. How much did Albert earn?



- A. None of these
- B. USD 300
- C. USD 325
- D. USD 425

Ans. C

Clearly he has 3 and 1-quarter notes i.e. equivalent to USD 325.

17. The number of times an observation occurs in a data is called its
- A. Raw data
 - B. Range
 - C. Interval
 - D. Frequency

D (Fact)

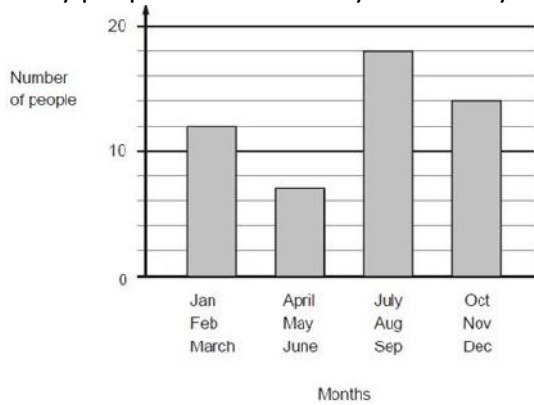
18. Following frequency distribution table shows marks (out of 50) obtained in English by 45 students of class VI. What is the size of class intervals?

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

- A. 15
- B. 5
- C. 10
- D. 20

Ans. C (Size of C.I. is upper limit – lower limit of any class)

19. This chart shows the number of people with birthdays in each three months of the year. How many people have a birthday before July?



- A. 7
- B. None of these
- C. 12
- D. 19

Ans. D

In Jan-March there are 12 birthdays.

In April to June there are 7 birthdays.

So total of 19 birthdays before July.

20. Data available to us is in an unorganized form called _____.

- A. Frequency
- B. Raw data
- C. Interval
- D. Observation

Ans. B (Fact)