

**Class: 6**  
**Subject: Mathematics**  
**Topic: Data Handling**  
**No. of Questions: 20**

- Using tally marks which one of the following represents the number five?  
(A) I I I I I  
(B) √ √ √ √  
(C) ≡  
(D) ≡
- State whether the following statements are true or false:  
(A) A tabular form of data is also a pictorial representation of the data.  
(B) A pictograph represents data in the form of pictures of objects or parts of objects.
- The blood group of 25 students are recorded as under:  
A, B, O, A, AB, O, A, O, B, A, O, B, A, AB, AB, A, A, B, B, O, B, AB, O, A, B. Arrange the information in a table using tally marks

- In a school, there are five sections of Class VI. The number of the students in each section is given below:

Section	A	B	C	D	E
Number of the students	40	44	42	36	32

Represent the above data using a bar graph.

- Using tally marks, which one of the following represents the number eight:  
(A) (IIII) III (B) ≡ ≡ (C) IIII II (D) ≡ III

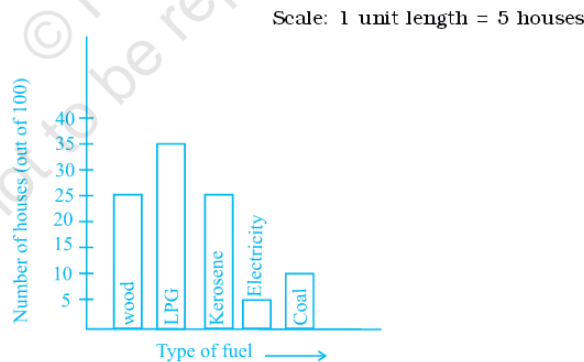
6. The marks (out of 10) obtained by 28 students in the mathematics test are listed as below:  
8, 1, 2, 6, 5, 5, 5, 0, 1, 0, 1, 9, 7, 8, 0, 5, 8, 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0.

The number of the students who obtained marks more than or equal to 5 is

- (A) 13  
(B) 15  
(C) 16  
(D) 17
7. In question 6 above, the number of the students who score marks less than 4 is
- (A) 15  
(B) 13  
(C) 12  
(D) 10

8. The following bar graph shows the number of houses (out of 100) in a town using different types of fuels for cooking.

Read the bar graph and answer the following questions:



(A) Which fuel is used in

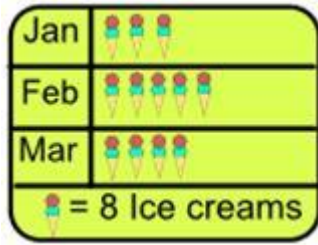
maximum number of houses?

(B) How many houses are using coal as fuel?

(C) Suppose that the total number of houses in the town is 1 lakh.

From the above graph estimate the number of houses using Electricity.

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



- (A) 24
- (B) 16
- (C) 32
- (D) 8

10. 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?

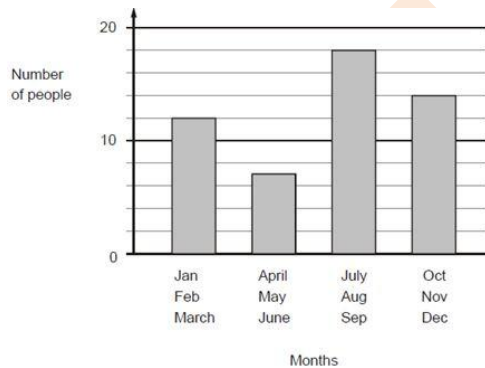


- (A) None of these
- (B) USD 300
- (C) USD 325
- (D) USD 425

11. 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?

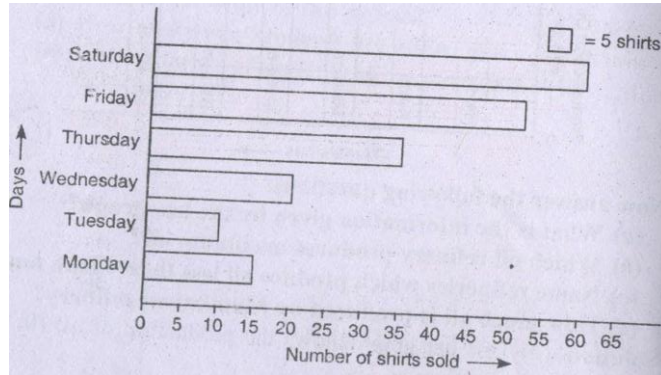
Class interval	Frequency
0 – 10	1
10 – 20	6
20 – 30	20
30 – 40	12
40 – 50	6
Total	45

- (A) 15  
(B) 5  
(C) 10  
(D) 20
12. This chart shows the number of people with birthdays in each three months of the year. How many people have a birthday before July?

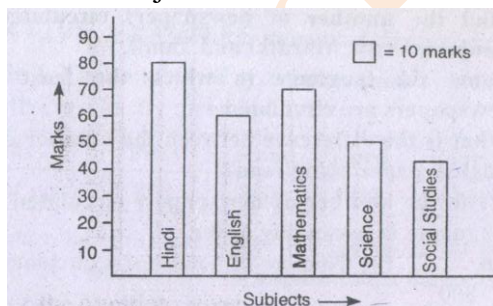


- (A) 7  
(B) None of these  
(C) 12  
(D) 19

13. Observe this bar graph which is showing the sale of shirts in a readymade shop from Monday to Saturday. Now answer the following question:



- (A) What information is given by the above bar graph?  
(B) What is the scale chosen on the horizontal line representing number of shirts?  
(C) On which day were the maximum numbers of shirts sold? How many shirts were sold on that day?  
(D) On which day were the minimum numbers of shirts sold?  
(E) How many shirts were sold on Thursday?
14. Observe this bar graph which is showing the marks obtained by Aziz in half yearly examination in different subjects.



Answer the questions given.

- (A) What information does the bar graph give?  
(B) Name the subject in which Aziz has scored maximum marks.  
(C) Name the subject in which he has scored minimum marks  
(D) State the names of the subjects and marks obtained in each of them.

15. The expenditure (in crores of rupees) on health by the government of India during the various five year plan is given below:

Plan	First	Second	Third	Fourth	Fifth
Expenditure (Rs. in crores)	70	140	230	340	760

Construct a bar graph to represent the above data.

16. Read the bar graph given in figure and answer the following question:
- (A) What is the information given by the bar graph?
- (B) What is the order of the change in the number of students over several years?
- (C) In which year is the increase in the number of students maximum?
- (D) State whether true or false:

The number of students during 2000-01 is twice that of 1999-2000.

17. The height (in cm) of 50 students of class VII of a particular school are given as follows:

Student	144	150	155	157	164
Number of students	7	8	17	13	5

Construct a bar graph to represent the above information. Read the graph and answer the following the question:

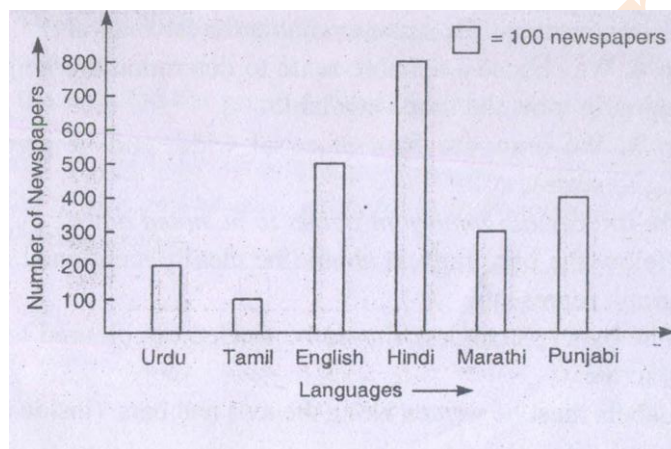
- (A) What per cent of the total number of students have their heights more than 150 cm?
- (B) How many students have heights above 150 cm but below 160 cm?

18. The number of mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
Number of books Sold	65	40	30	50	20	70

Draw a bar graph to represent the above information choosing the scale of your choice.

19. Following is a bar graph of circulation of newspapers (dailies) in a town in six languages. Study the bar graph and answer the following questions:



- (A) Find the number of newspapers circulated in Hindi, Punjabi, Urdu, Marathi and Tamil.  
 (B) Name the language in which the least number of newspapers are circulated.  
 (C) What is the difference between the number of Hindi and English paper being read?  
 (D) Write the number of newspapers circulated in different languages in ascending order.
20. Marks obtained out of 100 in mathematics paper by 100 students are given in the following table:

Marks	9	19	58	61	75
Number of students	25	12	40	13	10

Represent the above information by a bar graph and answer the following question:

- (A) Every student getting the highest marks is entitled to get a prize of Rs. 10. How much is required for distributing the prizes?
- (B) Students obtaining the lowest marks have to solve 5 problems per day. How many problems in all will be solved by the students per day?

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