



INDIAN SCHOOL NIZWA-WORKSHEET

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| | MATHEMATICS | |
| | CH – 4 DATA HANDLING AND PRESENTATION | |
| Name: _____ | Date: _____ | Class: VI Sec:___ |

I. MULTIPLE CHOICE QUESTIONS:

- What is the first step in data handling?
a) Drawing a graph b) sorting the data c) collecting data d) analysing the data
- Pictograph uses what, to represent data?
a) Numbers b) Bars c) Pictures or symbols d) tables
- What is a bar graph used for?
a) To calculate average c) To represent data visually using bars
b) To make tables d) To list names
- In a pictograph, if one apple symbol represents 10 apples, then 4 apples symbols represent:
a) 14 apples b) 40 apples c) 400 apples d) 4 apples
- Which of these is NOT a method of data presentation?
a) Tally Marks b) Pictograph c) Bar graph d) Division
- Tally marks are grouped in:
a) Group of 2 b) Group of 3 c) Group of 4 d) Group of 5
- Which graph is best for comparing different categories of data?
a) Line graph b) Pie graph c) Bar graph d) Histogram
- The number of times a particular observation occurs is called
a) Frequency b) Tally marks c) Counting d) Occurrences
- What do we call a collection of numbers gathered to give some information?
a) Data b) Graph c) Chart d) Group
- In a pictograph, one symbol = 2 books. If there are 6 books, how many symbols will be drawn:
a) 2 b) 3 c) 6 d) 12
- What does a bar graph use to represent data?
a) Pictures b) Bars of uniform width c) Circles d) Text descriptions
- What type of graph is suitable for large data sets?
a) Pictograph b) Infographic c) Bar graph d) Frequency table
- What is the primary purpose of collecting data?
a) To create confusion b) To entertain c) To convey information d) none of these

14. Using tally marks, which one of the following represents the number eight?

- a)  b)  c)  d) 

15. In an examination, the grades achieved by 30 students of a class are given below B, C, C, E, A, C, B, B, D, D, D, D, B, C, C, C, A, C, B, A, A, D, C, B, E, C, B, E, C, D

Maximum number of students belong to which grade?

- (a) B (b) C (c) A (d) D

16. Assertion (A): The blood group of 30 students are recorded as follows.

O, A, B, O, O, A, B, A, O, AB, B, A, O, O, A, AB, B, O, AB, O, A, A, B, O, A, O, O, B, A, O.

| BLOOD GROUP | NO. OF STUDENTS |
|-------------|-----------------|
| A | 9 |
| B | 6 |
| O | 12 |
| AB | 3 |
| TOTAL | 30 |



Reason (R): The most common blood group is B.

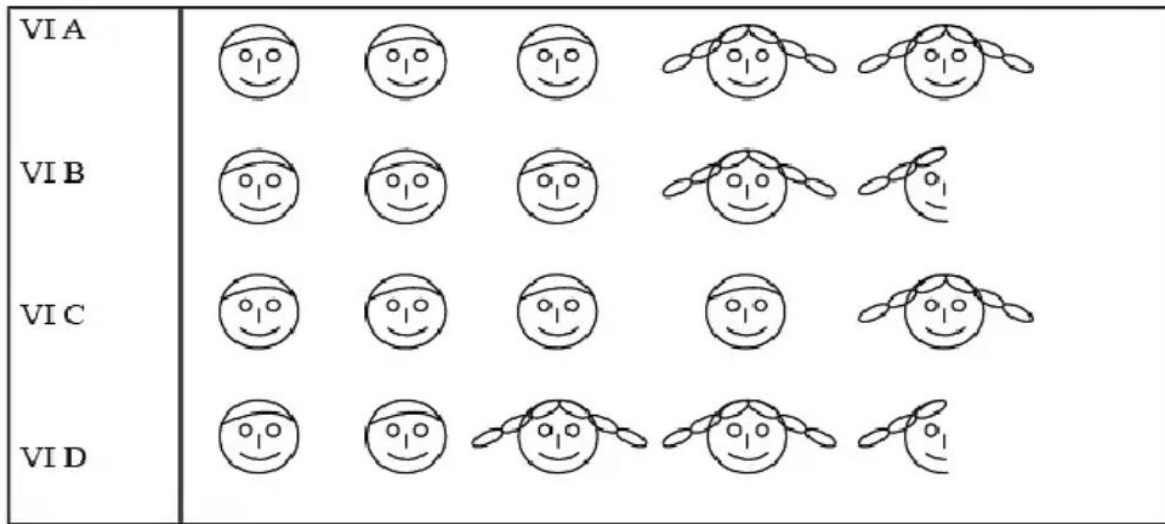
- (a) Both A and R are true and R is the correct explanation of A.
 (b) Both A and R are true but R is not the correct explanation of A.
 (c) A is true but R is false.
 (d) A is false but R is true.

II. Very Short Answer Questions:

17. What is data?
 18. What is a bar graph?
 19. Define Pictograph.
 20. Make a table and enter the following data using tally marks.
 7, 8, 6, 5, 6, 7, 7, 9, 8, 10, 7, 6, 7, 8, 8, 9, 10, 5, 7, 8, 7, 6

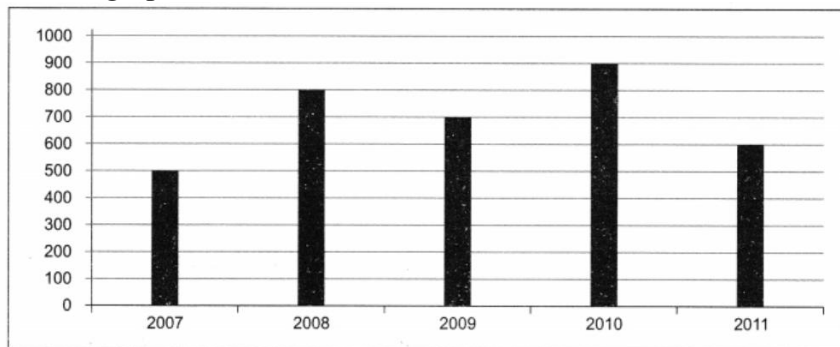
III. Short Answer Questions:

21. The following is the pictograph of class VI students, here  = 10 boys,  = 10 girls. Look at the pictograph and answer the following questions.



- How many students are there in VI A, VI B, VI C and VI D sections each?
- Which section has maximum number of boys?
- Which section has maximum number of girls?
- What is the total strength of class 6?

22. The bar graph shows the number of cars sold in a showroom during five different years:



Look at the bar graph and answer the following questions:

- In which year, the maximum cars were sold?
- In which year, the minimum cars were sold?
- What is the scale chosen on the vertical line representing the number of cars?
- How many cars were sold in the year 2009?

IV. Very Long Answer Questions:

23. A survey showed the preference of different subjects by students of class VI

| Subject | Number of students |
|----------------|--------------------|
| English | 25 |
| Hindi | 30 |
| Maths | 50 |
| Science | 35 |
| Social Studies | 40 |

Draw a pictograph to illustrate the above data taking a scale of 1 symbol = 5 students.

24. A survey of 100 students was conducted to find out which transport they would prefer to travel to visit different places:

| Preferred Transport | Number of Students |
|---------------------|--------------------|
| Car | 12 |
| Bus | 20 |
| Train | 36 |
| Aeroplane | 24 |
| Bike | 8 |

Draw a bar graph to illustrate the above data. Which transport is preferred by most students other than train?

25. **CASE BASED QUESTION:**

Ankita manages a book stall at a fair. She recorded the genres of books sold on Monday and presented the data in the following table.

| Genre | Number of Books Sold |
|-------------|----------------------|
| Fiction | 10 |
| Non-Fiction | 15 |
| Mystery | 12 |
| Science | 8 |
| History | 5 |

- What is the total number of books sold on Monday?
- Which genre of books sold the least on Monday?
- If Ankita sells 5 more mystery books on Tuesday, what will be the total number of mystery books sold?
- The price of one fiction book is ₹150. How much money did Ankita earn by selling all fiction books on Monday?
- If Ankita wants to present this data in a bar graph, how many bars will the graph contain?