

Board – CBSE

Class – VII

Topic – Data handling

1. Following data gives the number of children in 40 families:
1,2,6,5,1,5,1,3,2,6,2,3,4,2,0,0,4,4,3,2,2,0,0,1,2,2,4,3,2,1,0,5,1,2,4,3,4,1,6,2.
Represent it in the form of a frequency distribution table.
2. The mean of 6,8,5, x and 4 is 7. Find the value of x.
3. The results of pass percentage of Class X and XII in C.B.S.E. examination for 5 years are given in the following table:

Year	2001-02	2002-03	2003-04	2004-05	2005-06
X	90	95	90	80	98
XII	95	80	85	90	95

4. Draw a double bar graph choosing appropriate scale. What do you infer from the data? (i) Which sport is most popular? (ii) What is more preferred: watching or participating in

Favourite Sport:	Cricket	Basket-Ball	Swimming	Hockey	Athletics
Watching	1240	470	510	423	250
Participating	620	320	320	250	105

sports?

5. Find the arithmetic mean of the scores 8, 6, 10, 12, 1, 3, 4, 4. Find the range of the data.
6. The heights of 10 girls were measured in cm and the results were as follows. 143, 148, 135, 150, 128, 139, 149, 146, 151, 132.
7. Following are the weights (in kg) of 8 students of a class 48.5, 50, 44.5, 49.5, 50.5, 45, 51, 43
 - a) Find the mean weight.
 - b) What will be the mean weight if a student, whose weight is 62kg, is also included?
8. Find the mode, mean and median of the scores 4, 5, 6, 7, 7, 8, 9, 13, 12, 8, 8, 9, 8, 10, 11.
9. A bag contains 3 red and 2 blue marbles. A marble is drawn at random. What is the probability of drawing a blue marble?
10. The runs scored by Sachin Tendulkar in 7 one day international matches are 99, 66, 102, 72, 48, 89 and 62 respectively. Find his mean score.
11. A box of 600 electric bulbs contains 12 defective bulbs. One bulb is taken out at random from this box. What is the probability that it is a non-defective bulb ?

12. Draw a bar graph to compare the various activities taken up by boys and girls of class VII in school.

ACTIVITIES	ART	MUSIC	DANCE	YOGA	DRAMATICS
BOYS	10	40	25	20	15
GIRLS	15	30	35	20	25

13. In a bag there are seven cards numbered 1 to 7. A card is picked at random. What is the probability of picking:
- A prime number.
 - An odd number.
 - 0.
14. To know about the liking of science as a subject, a survey of 200 students was conducted and data obtained is given below: Liking – 125; Disliking—75. Find the probability that a student chosen at random,
- Does not like science as a subject.
 - Likes science as a subject