

BCM SCHOOL, CHANDIGARH ROAD
A Senior Secondary School of BCM Foundation
Affiliated To CBSE, NEW DELHI

Class VII (Mathematics)

Revision Assignment

Chapter 3- Data Handling

May,2025

MCQ

1. The range of data: 78, 11, 99, 63, 94, 6, 78, 36, 30, 55, 22. is
a) 90 b) 91 c) 92 d) 93
2. The median of the data: 20, 30, 40, 10, 15, 25, 35 is
a) 20 b) 25 c) 30 d) 40
3. The mode of the data: 13, 16, 12, 14, 19, 12, 14, 13, 14 is
a) 12 b) 13 c) 14 d) 16
4. The mean of first five natural number is
a) 4 b) 3 c) 0 d) 2
5. The representation of the data in the form of rectangles of uniform width is called a
a) Bar Graph b) Line Graph c) Pie Graph d) Tally marks

Fill in the blanks:

6. The middle value of the data arranged in ascending or descending order is called the _____.
7. A graphical representation of data using bars is called a _____.
8. _____ is the observation that occurs most frequently in the data.

One Word Answers:

9. Find the mean of first 5 prime numbers.
10. What do we call the information collected in the form of numbers?

Subjective Questions:

11. Some integers are marked on a board. What is the range of these integers?

0	15
-11	-17
6	+20
	-4

12. The following are weights (in kg) of 12 people. 70, 62, 54, 57, 62, 84, 75, 59, 62, 65, 70, 60.

- (a) Find the mean of the weights of the people.
- (b) How many people weigh above the mean weight?
- (c) Find the range of the given data.

13. Find the mean of the first 5 multiples of 3.

14. Marks scored by 10 students in a Math's test are: 25, 30, 35, 40, 45, 45, 50, 55, 60.

- a) Arrange the marks in ascending order.
- b) Find the median score.
- c) Find the mode score.

15. Observe the data and answer the questions that follow: 16, 15, 16, 16, 8, 15, 17

- (a) Which data value can be put in the data so that the mode remains the same?
- (b) At least how many and which value(s) must be put in to change the mode to 15?
- (c) What is the least number of data values that must be put in to change mode to 17? Name them.

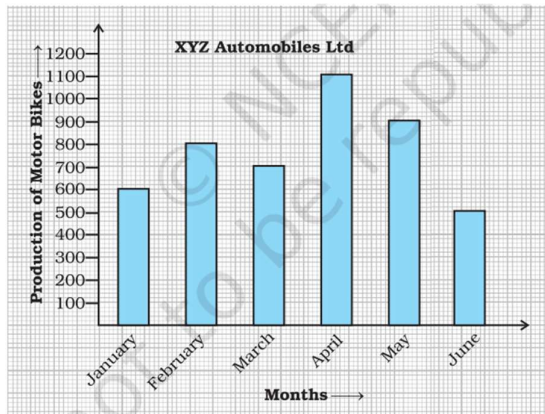
16. Given below are heights of 15 boys of a class measured in cm: 128, 144, 146, 143, 136, 142, 138, 129, 140, 152, 144, 140, 150, 142, 154. **Find (a)** The height of the tallest boy. **(b)** The height of the shortest boy. **(c)** The range of the given data. **(d)** The median height of the boys.

Case Based Questions-

17. Observe the given bar graph carefully and answer the questions that follow.

- (a) What information does the bar graph depict?
- (b) How many motor bikes were produced in the first three months?

- (c) Calculate the increase in production in May over the production in January.
 (d) In which month the production was minimum and what was it?
 (e) Calculate the average (mean) production of bikes in 6 months.



18. The data given below shows the production of motorbikes in a factory for some months of two consecutive years.

Study the table given below and the answer the following questions:

- a) Draw a double bar graph using an appropriate scale to depict the above information and compare them.
 b) In which month for the year 2008, the production was the maximum?
 c) In which month for the year 2007, the production was the least?

Months	2008	2007
February	2700	2800
May	3200	4500
August	6000	4800
October	5000	4800
December	4200	5200

Assertion-Reason Based Questions:

- 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

19. Assertion: The mean of the numbers 10, 20, 30 and 40 is 25.

Reason: $\text{Mean} = \frac{\text{Sum of the observations}}{\text{Number of observations}}$

20. Assertion: Marks scored by seven students in a class are 18, 21, 21, 32, 36, 50, 93. and median score is 36.

Reason: The median is the middle value when the data is arranged in ascending or descending.

Answer Key- Q1- d) , Q2- b), Q3-c), Q4- b) 3 Q5- a) , Q6- Median, Q7-Bar Graph, Q8-Mode, Q9- 5.6 Q10- Data Q11- 37 ,Q12- a) 65 b) 4 c) 30 ,Q13- 9 ,Q14- b) 45 c) 45, Q 15- a) 8 or 17 b) 2,15 c) 3,17 Q-16 a) 154 b) 128 c) 26 d) 142 Q-17 b) 2100 c) 300 d) June e) 767(approx.) Q-18 b) August c) February Q-19 a) Q-20 d)