

CLASS – VII: CHAPTER – 3

DATA HANDLINGS

B Banerjee

1. Find the mean, median and mode of 4, 6, 5, 3, 4, 3, 5, 3, 2, 4, 5, 2, 4
2. Find the mean, median and mode of the numbers: 2, 2, 2, 3, 3, 4, 5, 5, 5, 6, 6, 8
3. Find the mode of the following data:  
12, 14, 12, 16, 15, 13, 14, 18, 19, 12, 14, 15, 16, 15, 16, 16, 15,  
17, 13, 16, 17, 15, 15, 13, 15, 17, 15, 14, 15, 13, 15, 14

3. Heights (in cm) of 25 children are given below:  
168, 165, 163, 160, 163, 161, 162, 164, 163, 162, 164, 163, 160, 163, 16, 165,  
163, 162, 163, 164, 163, 160, 165, 163, 162  
What is the mode of their heights? What do we understand by Mode here?

4. Find the mean, median and mode of the data: 24, 36, 46, 17, 18, 25, 35, 36

5. The scores in mathematics test (out of 25) of 15 students is as follows:  
19, 25, 23, 20, 9, 20, 15, 10, 5, 16, 25, 20, 24, 12, 20  
Find the mode and median of this data. Are they same?

6. The runs scored in a cricket match by 11 players is as follows:  
6, 15, 120, 50, 99, 80, 50, 15, 8, 10, 16  
Find the range, mean, mode and median of this data.

7. The weights (in kg.) of 15 students of a class are:  
38, 42, 35, 38, 45, 50, 32, 43, 42, 40, 36, 38, 43, 37, 47  
(i) Find the mode and median of this data.  
(ii) Is there more than one mode?

8. Find the mode and median of the data: 13, 16, 13, 14, 20, 12, 14, 13, 14
9. 175 students of 6th and 7th class were asked to name their favourite colour so as to decide upon what should be the colour of their School Building. The results are shown in the following table. Represent the given data on a bar graph.

Favourite Colour	Red	Green	White	Blue	Yellow
Number of students	45	35	40	25	30

Answer the following questions with the help of the bar graph:

- (i) Which is the most preferred colour and which is the least preferred?
- (ii) How many colours are there in all? What are they?

10. There are 6 marbles in a box with numbers from 1 to 6 marked on each of them.  
(i) What is the probability of drawing a marble with odd number?  
(ii) What is the probability of drawing a marble with number less than 5?