

Bhavan's V. M. Public School, Baroda
Ch-3. Data Handling

1. Find the mean of the first five multiples of 6.
2. The mean of 10, 12, 16, x, 20 and 26 is 17. Find the value of x.
3. Construct a frequency distribution table for the following marks obtained by 25 students in a physics test in class VII of a school:
19, 15, 11, 20, 19, 9, 20, 15, 19, 19, 14, 17, 13, 18, 17, 19, 20, 10, 9, 12, 17, 19, 19, 20, 16
 - a. What is the highest and the lowest marks?
 - b. What is the range of the data?
 - c. Which mark is obtained by the maximum number of students?
4. The heights (in cm) of 15 girls in a class are
154, 150, 152, 154, 150, 154, 148, 152, 154, 152, 150, 152, 154, 152, 152.
Find the mean, median and mode of the data.
5. The weights (in kg) of 10 students of a class are as follows: 38, 42, 35, 57, 45, 50, 38, 43, 43, 40
 - a. Find the mean of the data.
 - b. Find the mode of the data.
 - c. Find the median of the data.
6. Following table shows the marks obtained by A, B, C, in four tests:

Student	Test 1	Test 2	Test 3	Test 4
A	32	43	37	44
B	45	38	34	40
C	35	29	44	38

- a. Find the mean score of A, B, C.
 - b. Who is the best performer?
 - c. Who is the weakest performer?
 - d. What is the difference in the mean score of the best and the weakest performer?
7. A box contains 1 red, 1 black, 1 blue and 1 green ball. One ball is taken out randomly and is found to be red and is kept out. One more ball is drawn, what is the probability that this ball is black?
8. There are five cards number 1 to 10. They are put in a bag and mixed together. What is the probability that:
 - a. It shows number 5?
 - b. It shows a prime number?
 - c. It shows an even number?
9. The production of wheat in 2014 and 2015 by five different countries is given below (in th.tons):

S.N	Country	Production (in thousand tones) in 2014	Production (in thousand tones) In 2015
1.	China	4000	3500
2.	India	1400	1700
3.	USA	3000	3200
4.	Pakistan	1200	1400
5.	Brazil	9000	9500

- a) Construct a double bar graph to represent the above information.
- b) Which country increased the production maximum?
- c) Production of which country decreased in 2015?

10. The following data shows the year wise strength of two schools in an area:

Year	2011-12	2012 -13	2013-14	2014-15	2015-16
School A	800	850	940	1000	1050
School B	850	930	980	1000	1020

- a) Draw a double bar graph to represent the above data.
b) In which year difference of strength of two schools is maximum?
c) In which year strength of two schools is same?
11. In a cricket match, a batsman hits a boundary 16 times out of 90 balls he plays. Find the probability that he
a) hit a boundary.
b) did not hit a boundary.
12. There are 6 red, 4 black and 2 blue pencils in a box. A boy picks out one pencil from the box. Find the probability that he picks: a) Red pencil. b) Blue pencil. c) Pink pencil.
13. The maximum temperature (in⁰c) for the first ten days of July 2012 in a certain city was 43, 44, 42, 43, 42, 41, 36, 41, 42 and 40. Calculate the range, mean median and mode of the given data.
14. A die was thrown 20 times and the following outcomes were recorded.
6,5,4,2,5,3,2,5,5,6,4,3,2,6,3,2,4,5,4,6. Prepare a frequency table for the data.

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