

INTERNATIONAL INDIAN SCHOOL
BURAI DAH

Worksheet For The Academic Year 2023-24

CLASS: IX SUBJECT: Mathematics DATE: 11/06/2023

LESSON-14 Statistics

1. Data collected from other sources is _____.
2. The number of times an observation occurs is called _____.
3. A frequency distribution table consisting of class-intervals is called _____.
4. The difference between the upper and lower limits of a class is called _____.
5. The middle value of the upper limits of a class is called _____.
6. The class mark of the class 130-150 is _____.
7. In the class intervals 10-20, 20-30,, 20 is included in the class _____.
8. The following represents the height (cm) of 20 students of a class – 132, 130, 134, 135, 130, 134, 135, 130, 131, 134, 135, 133, 130, 131, 133, 136, 135, 134, 130, 133, 129, 136, 133, 131. Make a frequency table for the data.
9. The weight (gms) of 30 oranges picked at random from a basket of oranges are given below:
90, 60, 30, 85, 45, 40, 55, 100, 65, 60, 50, 75, 70, 60, 70, 70, 60, 95, 85, 80, 35, 45, 40, 45, 55, 30, 110, 75, 100, 40. Construct a grouped frequency distribution table.
10. Draw a bar graph to represent the data:

Year	2004	2005	2006	2007	2008
Pass%	70	62	78	85	58

11. The following table gives the distribution of time taken to solve a problem by 40 students:

Time is sec	10-20	20-30	30-40	40-50	50-60
No.of students	6	8	12	9	4

Draw a histogram to represent the above data.

12. Draw a frequency polygon for the following data:

a)

Class Intervals	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	4	6	9	12	5	2

b)

Class Interval	25-35	35-45	45-55	55-65	65-75	75-85
Frequency	5	10	15	20	12	8

13. Draw a histogram for the following data:

Class-Interval	100-150	150-200	200-300	300-500	500-800
Frequency	60	100	100	80	180

14. Weekly savings of 50 students are given . Draw a histogram:

Weekly Expense	10-20	20-40	40-50	50-70	70-100
No.of Students	3	10	7	12	18

15. Marks obtained by students of Class-IX in a class test is given. Draw a histogram.

Marks Obtained	0-5	5-15	15-30	30-40	40-60	60-65	65-80
No.of Students	4	10	24	12	20	8	27

16. Draw frequency polygon for the following data:

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No.of Students	3	7	12	8	6	4

17. The following table shows the weekly expenditure of workers in a city. Draw a Frequency polygon for the data.

Expense	100-150	150-200	200-250	250-300	300-350	350-400	400-450	450-500
Workers	25	40	33	28	30	22	16	8