

Board – ICSE

Class –VIII

Topic – Data Handling

- The heights (in cm) of 22 students were recorded as under: 125, 132, 138, 144, 142, 136, 134, 125, 135, 130, 126, 132, 135, 142, 143, 128, 126, 136, 135, 130, 130, and 133.  
Prepare a frequency distribution table, taking equal class intervals and starting from 125-130, where 130 is not included.
- The marks obtained by 40 students of a class in an examination are given below:  
8, 47, 22, 31, 17, 13, 38, 26, 3, 34, 29, 11, 22, 7, 15, 24, 38, 31, 21, 35, 42, 24, 45, 23, 21, 27, 29, 49, 25, 48, 21, 15, 18, 27, 19, 45, 14, 34, 37, 34 .  
Prepare a frequency distribution table with equal class intervals, starting from 0-10 (where 10 is not included).
- The data given below shows number of hours spent by a school boy on different activities on a working day. Represent the below data by a pie graph.

Activity	School	Homework	Play	Sleep	Others	Total
No. of hours	7	4	2	8	3	24

- Hundred students from a certain locality use different modes of travelling to school as given below. Draw a bar graph.
- Mr. Manoj monthly income is Rs. 7,200. He spends Rs. 1,800 on rent, Rs. 2,700 on food, Rs. 900 on education of his children; Rs. 1,200 on Other things and saves the rest.  
Draw a pie-chart to represent it.
- The following tables show the mode of transport used by boys and girls for going to the same school. Draw a double bar graph representing the above data.

Bus	Car	Rickshaw	Bicycle	Walk
32	16	24	20	8

	Bus	Bicycle	Walking	Other sources
Number of boys	80	60	20	85
Number of girls	90	75	35	60

- Given below are the marks (out of 100) in mathematics obtained by 20 students of a class in an annual examination.

23 75 56 42 70 84 12 61 40 63  
87 58 35 80 14 63 49 72 66 61

Arrange the above data in ascending order and find (i) the lowest marks obtained,  
(ii) the highest marks obtained. (14,92)

8. The weekly wages (in dollars) of 28 workers of a factory are given below:  
668, 610, 642, 658, 668, 620, 719, 720, 700, 690, 710, 642, 672, 654, 692, 706, 718, 702,  
704, 678, 615, 640, 680, 716, 705, 615, 636, 656  
Construct a frequency table with equal class intervals; taking the first of the class intervals  
as 610-630, where 630 is not included.

9. The following table shows the number of scooter produced by a company during six  
consecutive years.

Year	2001	2002	2003	2004	2005	2006
No. of Scooters	11000	14000	12500	17500	15000	24000

Draw a bar graph to represent the above data.

10. The population in lakhs of six Indian states as estimated in 2001 is given below:

State	Population (in lakhs)
Bihar	820
Jharkhand	270
Uttar Pradesh	1060
Uttaranchal	80
Madhya Pradesh	600
Chhattisgarh	210

Represent the above data by a bar graph.