

AI1110 ASSIGNMENT-3

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Abstract—This document contains the solution of NCERT class 9th - statistics ex-14.2 Qno-8

EXERCISE 14.2

Question 8 Thirty children were asked about the number of hours they watched TV programmes in the previous week.

the results are as follows:

1	6	2	3	5	12	5	8	4	8
10	3	4	12	2	8	15	1	17	6
3	2	8	5	9	6	8	7	14	12

TABLE I

DATA

(i) make a grouped frequency table for this data taking class width 5 and one of the class intervals as 5-10

(ii) how many children watched TV for 15 hours or more than that?

Solution:

as we need to make a data by taking class width as 5 we can assign classes as 0-5 ,5-10 ,10-15 , 15-20 . The distribution table is as follows:

Duration(Hrs)	Tally Marks	Frequency
0 - 5		10
5 - 10		13
10 - 15		5
15 - 20		2
Total		30

TABLE II

FREQUENCY DISTRIBUTION TABLE

- 1) Presenting data in this form simplifies and condenses data and enable us to observe certain important features at glance .
- 2) This is called a "Grouped Frequency Distribution table".
- 3) We observe that the classes in the table above are non-overlapping.
- 4) We also observe that the number of people watched for more than 15 hours are 2.