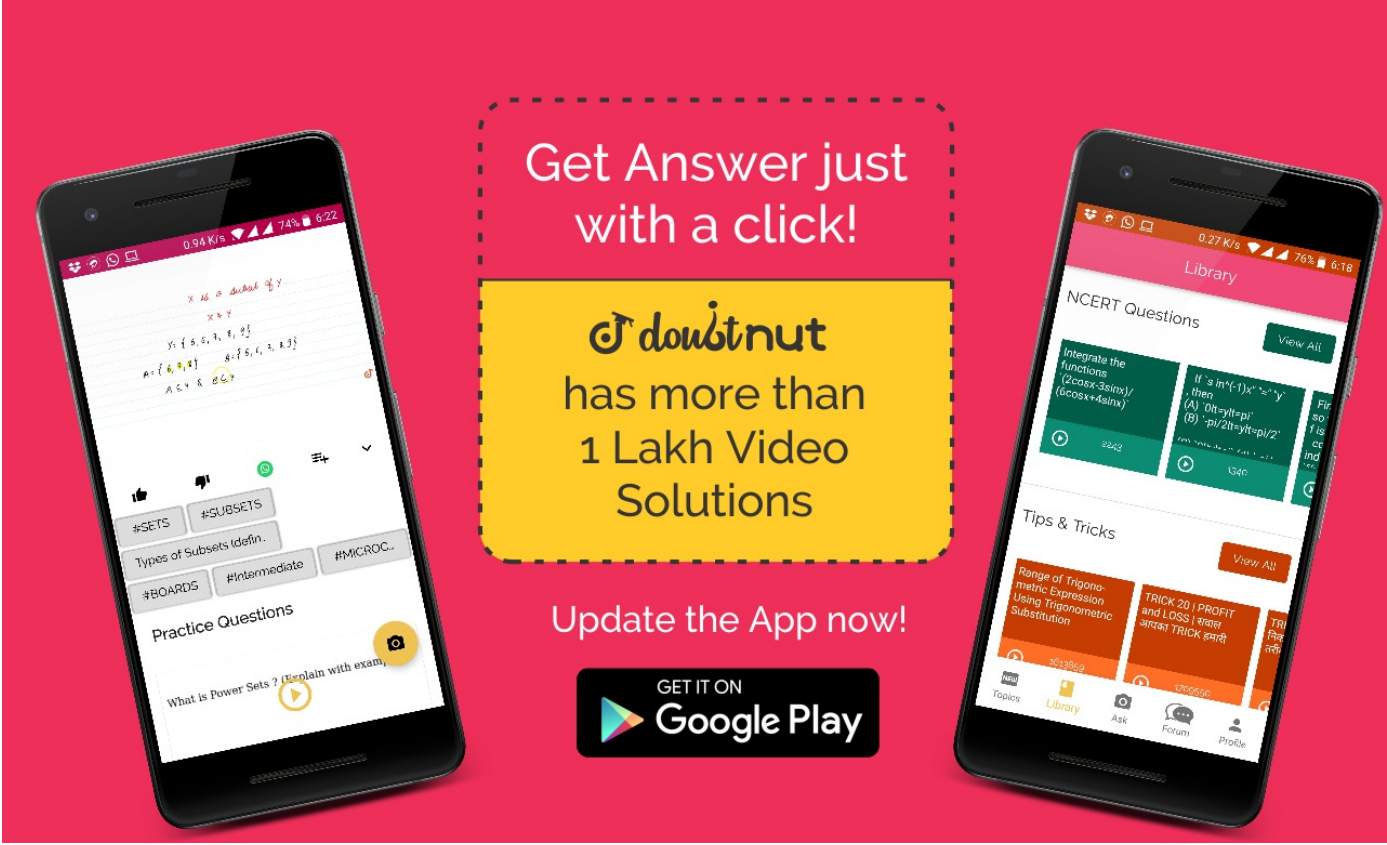| Ques No.	Question
1	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 1** A survey was conducted by a group of students as a part of their environment awareness programme, in which they collected the following data regarding the number of plants in 20 houses in a locality. Find the mean number of plants per house. Which method did you use for finding the mean, and why? Watch Free Video Solution on Doubtnut
2	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 2** Consider the following distribution of daily wages of 50 workers of a factory. Find the mean daily wages of the workers of the factor}- by using an appropriate method. Watch Free Video Solution on Doubtnut
3	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 3** The following distribution shows the daily pocket allowance of children of a locality. The mean pocket allowance is Rs 18. Find the missing frequency f. Watch Free Video Solution on Doubtnut
4	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 4** Thirty women were examined in a hospital by a doctor and the number of heart beats per minute were recorded and summarised as follows. Find the mean heart beats per minute for these women, choosing a suitable method. Watch Free Video Solution on Doubtnut
5	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 5** In a retail market, fruit vendors were selling mangoes kept in packing boxes. These boxes contained varying number of mangoes. The following was the distribution of mangoes according to the number of boxes. Find the mean number of mangoes kept in a packing box. Which method of finding the mean did you choose? Watch Free Video Solution on Doubtnut

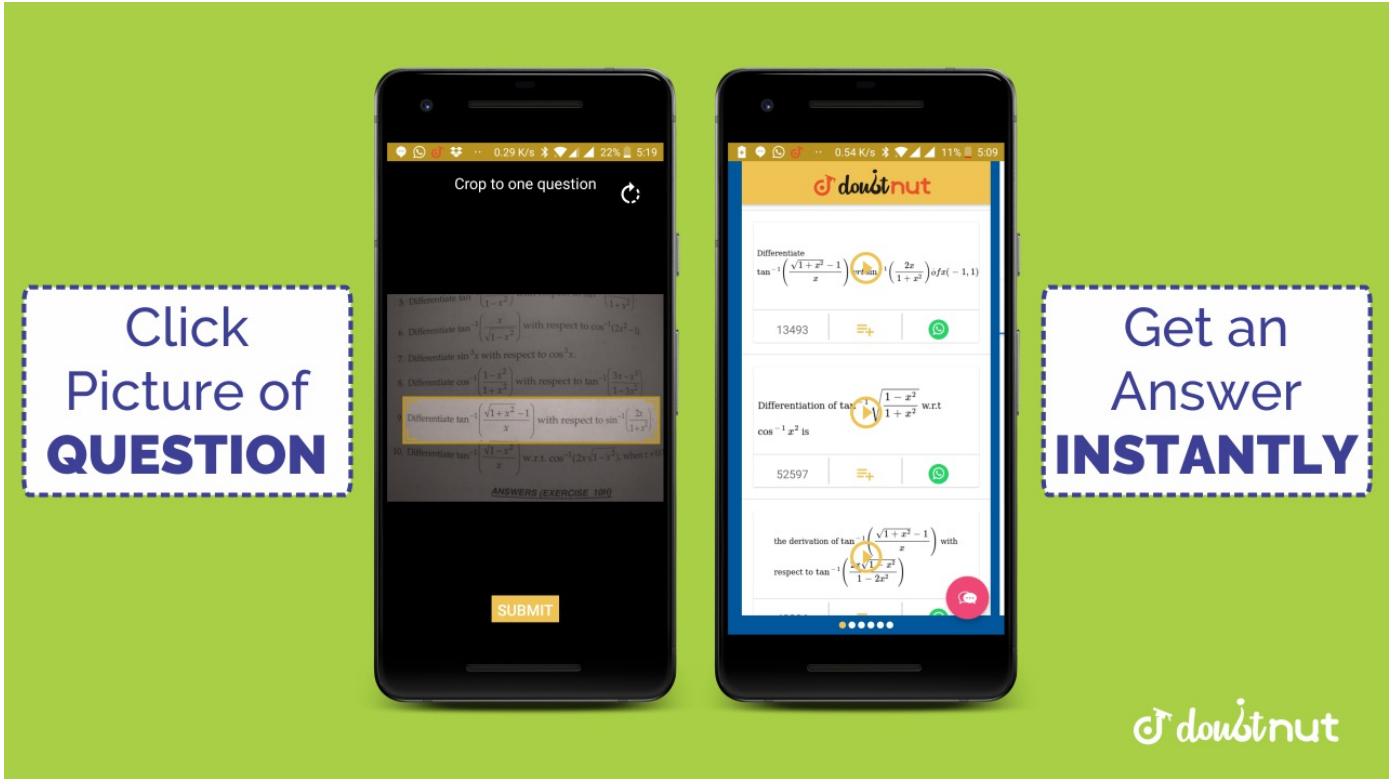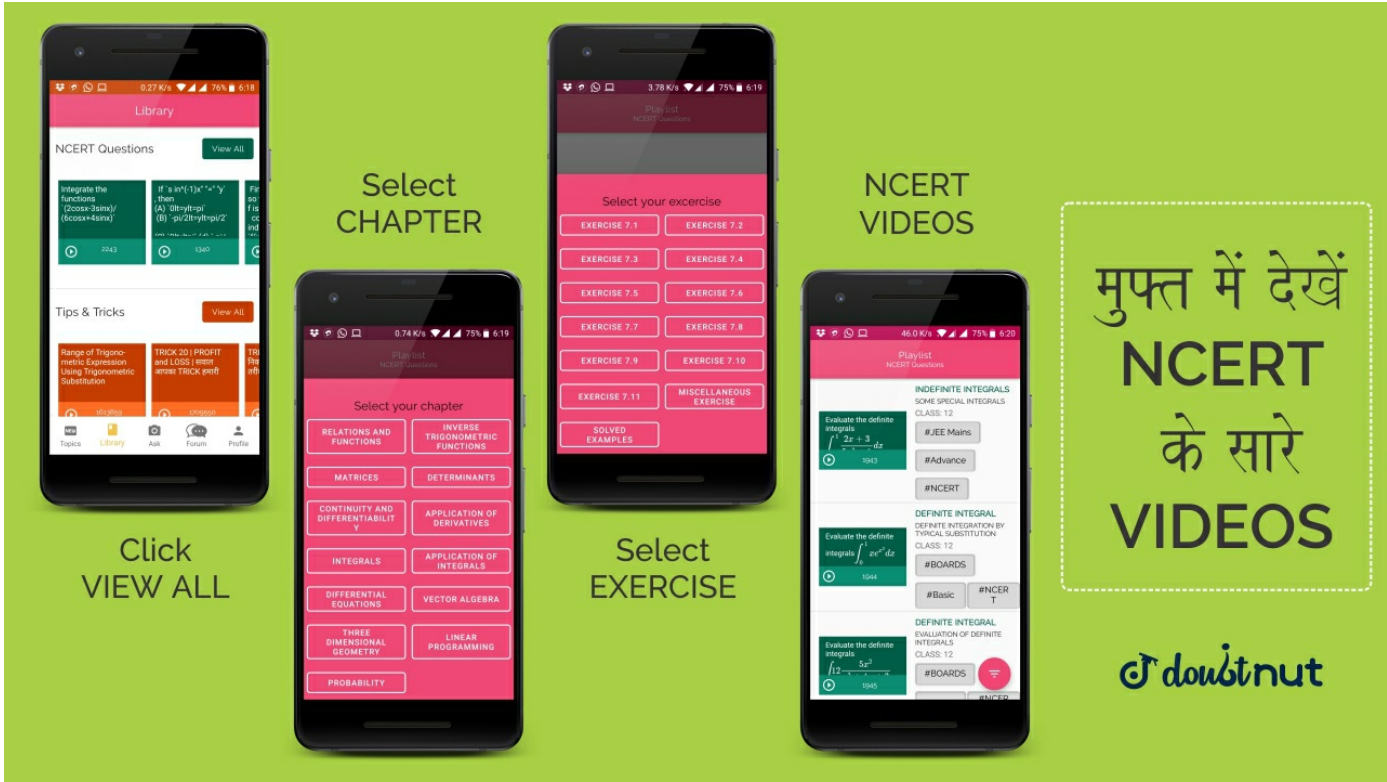|	
6	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 6** The table below shows the daily expenditure on food of 25 households in a locality. Find the mean daily expenditure on food by a suitable method. ▶ Watch Free Video Solution on Doubtnut
7	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 7** To find out the concentration of SO_2 in the air (in parts per million, i.e., ppm), the data was collected for 30 localities in a certain city and is presented below: Find the mean concentration of SO_2 in the air. ▶ Watch Free Video Solution on Doubtnut
8	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 8** A class teacher has the following absentee record of 40 students of a class for the whole term. Find the mean number of days a student was absent. ▶ Watch Free Video Solution on Doubtnut
9	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.1 - Q 9** The following table gives the literacy rate (in percentage) of 35 cities. Find the mean literacy rate. ▶ Watch Free Video Solution on Doubtnut
10	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.2 - Q 1** The following table shows the ages of the patients admitted in a hospital during a year: Find the mode and the mean of the data given above. Compare and interpret the two measures of central tendency.

11	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.2 - Q 2** The following data gives the information on the observed lifetimes (in hours) of 225 electrical components: Determine the modal lifetimes of the components. ▶ Watch Free Video Solution on Doubtnut

12	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.2 - Q 3** The following data gives the distribution of total monthly household expenditure of 200 families of a village. Find the modal monthly expenditure of the families. Also, find the mean monthly expenditure: ▶ Watch Free Video Solution on Doubtnut
13	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.2 - Q 4** The following distribution gives the state-wise teacher-student ratio in higher secondary schools of India. Find the mode and mean of this data. Interpret the two measures. ▶ Watch Free Video Solution on Doubtnut
14	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.2 - Q 5** The given distribution shows the number of runs scored by some top batsmen of the world in one-day international cricket matches. Find the mode of the data. ▶ Watch Free Video Solution on Doubtnut
15	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.2 - Q 6** A student noted the number of cars passing through a spot on a road for 100 periods each of 3 minutes and summarised it in the table given below. Find the mode of the data :

	NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 1
16	The following frequency distribution gives the monthly consumption of electricity of 68 consumers of a locality. Find the median, mean and mode of the data and compare them.
17	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 2** If the median of the distribution given below is 28.5, find the values of x and y.

	NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 3
18	A life insurance agent found the following data for distribution of ages of 100 policy holders. Calculate the median age, if policies are given only to persons having age 18 years onwards but less than 60 year.
19	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 4** The lengths of 40 leaves of a plant are measured correct to the nearest millimetre, and the data obtained is represented in the following table : Find the median length of the leaves. (Hint: The data needs to be converted to continuous classes for finding the median, since the formula assumes continuous classes. The classes then change to 117.5- 126.5,126.5 - 135.5,..171.5 -180.5.)
	NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 5 The following table gives the distribution of the life time of 400 neon lamps Find the

20	median life of a lamp. ▶ Watch Free Video Solution on Doubtnut
21	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 6** 100 surnames were randomly picked up from a local telephone directory and the frequency distribution of the number of letters in the English alphabets in the surnames was obtained as follows: Determine the median number of letters in the surnames. Find the mean number of letters in the surnames? Also, find the modal size of the surnames. ▶ Watch Free Video Solution on Doubtnut
22	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.3 - Q 7** The distribution below gives the weights of 30 students of a class. Find the median weight of the students. ▶ Watch Free Video Solution on Doubtnut
23	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.4 - Q 1** The following distribution gives the daily income of 50 workers of a factory. Convert the distribution above to a less than type cumulative frequency distribution, and draw its ogive. ▶ Watch Free Video Solution on Doubtnut
24	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.4 - Q 2** During the medical check-up of 35 students of a class, their weights were recorded as follows: Draw a less than type ogive for the given data. Hence obtain the median weight from the graph and verify the result by using the formula. ▶ Watch Free Video Solution on Doubtnut
	NCERT - CLASS 10 - CHAPTER 14 STATISTICS - EXERCISE 14.4 - Q 3

25	The following table gives production yield per hectare of wheat of 100 farms of a village. Change the distribution to a more than type distribution, and draw its ogive. ▶ Watch Free Video Solution on Doubtnut
26	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 1** The marks obtained by 30 students of Class X of a certain school in a Mathematics paper consisting of 100 marks are presented in table below. Find the mean of the marks obtained by the students. ▶ Watch Free Video Solution on Doubtnut
27	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 2** The table below gives the percentage distribution of female teachers in the primary schools of rural areas of various states and union territories (U.T.) of India. Find the mean percentage of female teachers by all the three methods discussed in this section. ▶ Watch Free Video Solution on Doubtnut
28	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 3** The distribution below shows the number of wickets taken by bowlers in one-day cricket matches. Find the mean number of wickets by choosing a suitable method. What does the mean signify? ▶ Watch Free Video Solution on Doubtnut
29	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 4** The wickets taken by a bowler in 10 cricket matches are as follows: 2 6 4 5 0 2 1 3 2 3 Find the mode of the data. ▶ Watch Free Video Solution on Doubtnut

30	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 5** A survey conducted on 20 households in a locality by a group of students resulted in the following frequency table for the number of family members in a household: Find the mode of this data. ▶ Watch Free Video Solution on Doubtnut
31	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 6** The marks distribution of 30 students m a mathematics examination are given in Table of Example 1. Find the mode of this data. Also compare and interpret the mode and the mean. ▶ Watch Free Video Solution on Doubtnut
32	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 7** A survey regarding the heights (in cm) of 51 girls of Class X of a school was conducted and the following data was obtained: Find the median height. ▶ Watch Free Video Solution on Doubtnut
33	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 8** The median of the following data is 525. Find the values of x and y, if the total frequency is 100. ▶ Watch Free Video Solution on Doubtnut
34	**NCERT - CLASS 10 - CHAPTER 14 STATISTICS - SOLVED EXAMPLES - Q 9** The annual profits earned by 30 shops of a shopping complex in a locality give rise to the following distribution: Draw both ogives for the data above. Hence obtain the median profit. ▶ Watch Free Video Solution on Doubtnut
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