INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF MATHEMATICS 2023 – 2024
Statistics - Work Sheet – Class XI

1 Find the rang of the following series 6,7,10,12,13,4,8,12

2 Find the mean of the following data 3,6,11,12,18

3 Calculate the mean deviation about the mean for the following data

Expenditure	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800
persons	4	8	9	10	7	5	4	3

4 Find the mean deviation about the median for the following data

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of boys	8	10	10	16	4	2

5 Calculate the mean deviation from the median from the following data

Salary per week(in Rs)	10-20	20-30	30-40	40-50	50-60	60-70
no. of workers	4	6	10	20	10	6

6 Find the mean deviation from the mean 6,7,10,12,13,4,8,20

7 Calculate the mean, variance and standard deviation of the following data:

Classes	30-40	40-50	50-60	60-70	70-80	80-90	90-100
Frequency	3	7	12	15	8	3	2

8 Find mean deviation about mean of the following observation 3, 9, 5, 3, 12, 10, 17, 4, 7, 19, 21 marks respectively.

9 Find the mean deviation about median for the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of girls	6	8	14	16	4	2

10 Find the mean deviation about the median for the data 36, 72, 46, 42, 60, 45, 53, 46, 51, 49

11 Find the mean, variance, and standard deviation using short out method.

Height in (cm)	70-75	75-80	80-85	85-90	90-95	95-100	100-105	105-110	110-115
No. of girls	3	4	7	7	15	9	6	6	3

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Statistics (Answer Key)

1	9
2	10
3	157.92
4	11.44
5	11.33
6	3.75
7	62, 201, 14.18
8	5.27
9	10.34
10	7
11	93, 105.58, 10.27