

CHAPTER 15. STATISTICS

Focus Area Based Practice Questions

1. Find the variance and standard deviation of 3, 4, 6, 5, 5, 3, 8, 1, 7, 5
2. Find the variance and standard deviation of

x_i	2	4	6	8	10	12	14	16
f_i	4	4	5	15	8	5	4	5

3. An analysis of monthly wages paid to workers in two firms A and B, belonging to the same industry, gives the following result.

No. of wage earners	586	648
Mean of monthly wages	Rs. 5253	Rs. 5253
variance	100	121

- i) Which firm A or B pays larger amount as monthly wages?
 - ii) Which firm A or B, shows greater variability in individual wages?
4. Find the variance and standard deviation of

Marks	20-30	30-40	40-50	50-60	60-70	70-80	80-90
number of students	3	6	13	15	14	5	4

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5. Find the mean , variance and standard deviation of

x_i	60	61	62	63	64	65	66	67	68
f_i	2	1	12	29	25	12	10	4	5

6. Find the mean , variance and standard deviation of

classes	0-10	10-20	20-30	30-40	40-50
frequencies	5	8	15	16	6

STATISTICS FOCUS AREA VIDEO LINK:

<https://youtu.be/cb0O4CVC6fc>