

Name: Sidul Islam Sohag

Serial: 14

ID: 20-42668-1

Sec: 0

Roll	X	$\bar{X}$	$X - \bar{X}$	$ X - \bar{X} $	$(X - \bar{X})^2$
1	23		1.4	1.4	1.96
2	22		0.4	0.4	0.16
3	21		-0.6	0.6	0.36
4	22		0.4	0.4	0.16
5	21	$324/5$	-0.6	0.6	0.36
6	20	$= 21.6$	-1.6	1.6	2.56
7	21		-0.6	0.6	0.36
8	21		-0.6	0.6	0.36
9	22		0.4	0.4	0.16
10	22		0.4	0.4	0.16
11	22		0.4	0.4	0.16
12	22		0.4	0.4	0.16
13	21		-0.6	0.6	0.36
14	22		0.4	0.4	0.16
15	22		0.4	0.4	0.16
	324			9.2	7.6

$$\text{Mean deviation} = \frac{9.2}{15} = 0.6133$$

$$\text{Variance} = \frac{7.6}{15} = 0.5067$$

$$\text{Standard deviation} = \sqrt{\text{Variance}}$$

$$= \sqrt{0.5067}$$

$$= 0.718$$

$$\text{Coefficient variation} = \frac{0.718}{(21.6)^2} \times 100\%$$

$$= 3.2954\%$$