

18-36264-1

Roll: 3

Sec: 0

Roll	x	\bar{x}	$x - \bar{x}$	$ x - \bar{x} $	$(x - \bar{x})^2$
1	23	$\frac{324-15}{216}$		1.4	1.96
2	22	21.6	0.4	0.4	0.16
3	21	21.6	-0.6	0.6	0.36
4	22	21.6	0.4	0.4	0.16
5	21	21.6	-0.6	0.6	0.36
6	20	21.6	0.4	0.4	0.16
7	21	21.6	-0.6	0.6	0.36
8	21	21.6	-0.6	0.6	0.36
9	22	21.6	0.4	0.4	0.16
10	22	21.6	0.4	0.4	0.16
11	22	21.6	0.4	0.4	0.16
12	22	21.6	0.4	0.4	0.16
13	21	21.6	-0.6	0.6	0.36
14	22	21.6	0.4	0.4	0.16
15	22	21.6	0.4	0.4	0.16

Total 324

$$\therefore DM0 = \frac{1}{n} \sum_{i=1}^n |x_i - \bar{x}| = \frac{7.2}{15} = 0.48$$

$$\therefore \sigma^2 = \frac{1}{n} \sum_{i=1}^n (x_i - \bar{x})^2 = \frac{7.6}{15} = 0.506$$

20.51

$$\therefore CV = \frac{0.718}{21.6} \times 100\% = 3.2954\%$$