	A	B	C	D
18	**marks(x)**	**Measures**	**Value**	**Formula**
19	24	AM	25.8	=AVERAGE(A2:A11)
20	30	S	22	=MIN(A2:A11)
21	28	L	30	=MAX(A2:A11)
22	23	Median	25.5	=MEDIAN(A2:A11)
23	25	Range	8	=MAX(A2:A11)-MIN(A2:A11)
24	22	Q1	24.25	=QUARTILE.INC(A2:A11,1)
25	26	Q3	27.75	=QUARTILE.INC(A2:A11,3)
26	27	QD	1.75	=(C8-C7)/2
27	28	Standard Deviation (σ)	2.35796522	=STDEV.P(A2:A11)
28	25	Coefficient of Range	0.15384615	=(C4 - C3)/(C4 + C3)
29		Coefficient of Quartile Deviation	0.06730769	=(C8 - C7)/(C8 + C7)
30		Coefficient of Variation (CV)	9.1394001	=(C10 / A11) * 100

Name	Absolute Measures		
	Formula		
	Individual series	Discrete series	Continuous series
Range	$Range = L - S$	$Range = L - S$	$range = upper$limit of highest class interval-lower limit of lowest class interval
Quartile Deviation	Q.D=$\frac{1}{2}(Q_3 - Q_1)$		
Quartiles	Q_i =Value of $\frac{i(n+1)^{th}}{4}$ item i=1,2,3	Q_i =Value of $\frac{i(N+1)^{th}}{4}$ item	Q_i =l+$\frac{h}{f}(\frac{iN}{4} - cf)$
Standard deviation	$\sigma = \sqrt{\frac{1}{n}\sum X^2 - \bar{X}^2}$	$\sigma = \sqrt{(\frac{1}{N}\sum fX^2 - \bar{X}^2)}$	$\sigma = \sqrt{\frac{1}{N}(\sum fX^2 - \bar{X}^2)}$ where X= mid value of class interval
	Relative Measure		
Coefficient of Range	Coeff. of range=$\frac{L-S}{L+S}$		
Coefficient of Q.D	Coeff. of Q.D=$\frac{Q3 - Q1}{Q3 + Q1}$		
Coefficient of variation(C.V)	C.V = $\frac{\sigma}{\bar{X}} \times 100\%$		