	A	B	C	D	E	F	G	H	I	J
1	Q.NO.2									
2	Solution,									
3		Series A	23	30	18	25	32	40		
4		Series B	20	35	44	27	41	38		
5										
6		Measures	Value of A	Value of B	Formula					
7		AM	28	34.16666667	=AVERAGE(C3:H3)					
8		SD	7.04745817	8.274794392	=STDEV.P(C3:H3)					
9		CV	25.169%	24.219%	=C8/C7					
10										
11		Since $CV_A > CV_B$, B is more consistent								
12										
13	Q.NO.3									
14	Solution									
15		Class	f	LCB	UCB	m	cf	h	fm	fm^2
16		10-20	5	10	20	15	5	10	75	1125
17		20-30	18	20	30	25	23	10	450	11250
18		30-40	35	30	40	35	58	10	1225	42875
19		40-50	20	40	50	45	78	10	900	40500
20		50-60	12	50	60	55	90	10	660	36300
21			90						3310	132050
22										
23		Measures	Position	Formula	Value	Formula				
24		Mean			36.777778	=I21/C21				
25		Mode	35	=MAX(C16:C20)	35.3125	=D18+(C18-C17)/(2*C18-C17-C19)*H16				
26		SD			10.705946	=SQRT(J21/C21-E24^2)				
27		Median	45	=C21/2	36.285714	=D18+((C27-G17)/C18)*H16				
28		Q_3	67.5	=(3*C21)/4	44.75	=D19+(C28-G18)/C19*H16				
29		Q_1	22.5	=C21/4	29.722222	=D17+(C29-G16)/C17*H16				
30		P_{10}	9	=(C21/100)*10	22.222222	=D17+(C30-G16)/C17*H16				
31		P_{90}	81	=(C21*90)/100	52.5	=D20+(C31-G19)/C20*H16				
32		S_{kp}			0.1368658	=(E24-E25)/E26				
33		s_{kb}			0.1264853	=(E28+E29-2*E27)/(E28-E29)				
34		K			0.2481651	=(E28-E29)/(2*(E31-E30))				