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	A	B	C	D	E	F	G	H
1	**Q.No.4**							
2	Solution,			A=75				
3		**C.I**	**f**	**LCB**	**UCB**	**m**	**m-A**	
4		50-60	5	50	60	55	-20	
5		60-70	12	60	70	65	-10	
6		70-80	20	70	80	75	0	
7		80-90	7	80	90	85	10	
8		90-100	6	90	100	95	20	
9			50					
10								
11		**Measure**	**Value**	**Formula**				
12		μ_1'	-0.6	=SUMPRODUCT(C4:C8,G4:G8)/C9				
13		μ_2'	126	=SUMPRODUCT(C4:C8,G4:G8^2)/C9				
14		μ_3'	60	=SUMPRODUCT(C4:C8,G4:G8^3)/C9				
15		μ_4'	39000	=SUMPRODUCT(C4:C8,G4:G8^4)/C9				
16								
17		**Relation between Raw and aCentral moments**						
18								
19		μ_1	0	=(C12-C12)				
20		μ_2	125.64	=(C13-C12^2)				
21		μ_3	286.368	=(C14-3*C13*C12+2*C12^3)				
22		μ_4	39415.77	=(C15-4*C14*C12+6*C13*C12^2-3*C12^4)				
23								
24		γ_1	0.203345	=(C21/C20^1.5)		>0 which is positive skewness		
25		β_2	2.496975	=(C22/C20^2)		<3 which is platykurtic		
26								
27		**Cell**	Formula					
28		F4	=(D4+E4)/2					
29		G4	=(F4-75)					
30		C9	=SUM(C4:C8)					