Name : Aashish Moktan
Roll No: 23081054

	A	B	C	D	E	F	G	H	I	J	K
1	**QSN 1**										
2		Solution:									
3											
4		**Sales(Rs lakhs)**	**Expenditure(Y)**								
5		173	41								
6		196	54								
7		441	11								
8		232	16								
9		121	41								
10		151	34								
11		224	23								
12		216	35								
13		134.00	10.00								
14		135	40								
15											
16											
17	a	r	-0.478495698	=CORREL(B5:B14,C5:C14)							
18		which is low degree negative correlation between sales and promotion expenditure									
19											
20	b	From above diagram									
21											
22	c	r2	0.228958133	23%							
23			which means that 23% of total variation on dependent variable expenditure is explained by								
24			independent variable variation sales								
25	d	X=sales									
26		Y=expenditure									
27											
28		Y=a+bX									
29											
30		a	45.86892839	=INTERCEPT(C5:C14,B5:B14)							
31		b	-0.075970976	=SLOPE(C5:C14,B5:B14)							
32		Y=45.8689-0.07597 X									
33											
34		X	230								
35		Y	28.39560397	(in lakh)	=C30+C31*C34						
36	**QSN 2**										
37		Solution:									
38		Data size(X)	Efficiency(Y)								
39		10	40								
40		12	38								
41		13	43								
42		12	45								
43		16	37								
44		15	43								
45											
46	a. r	-0.173205081	=CORREL(B39:B44,C39:C44)								
47	which is low degree negative correlation between data size										
48	and efficency										
49	b.	From above diagram									
50	c.	X=data size									
51		Y=efficiency									
52		Y=a+bX									
53											
54		a	44.25	=INTERCEPT(C39:C44,B39:B44)							
55		b	-0.25	=SLOPE(C39:C44,B39:B44)							
56		Y=44.25-0.25 X									
57											
58		X	13								
59		Y	41	=C54+C55*C58