

	A	B	C	D	E	F	G	H
1	Fit the Binomial distribution and find the expected frequencies for the following data.							
2								
3	x	f	p(x)	Expected Frequency f(x)	Round f(x)			
4			=BINOM.DIST(A5,\$C\$16,\$C\$19,FALSE)	=C5*\$C\$18	=ROUND(D5,0)			
5	0	7	0.019863904	1.946662569	2			
6	1	6	0.109835703	10.76389891	11			
7	2	19	0.253052845	24.79917886	25			
8	3	35	0.310940751	30.47219363	30			
9	4	23	0.214914931	21.06166324	21			
10	5	7	0.079223543	7.763907235	8			
11	6	1	0.012168322	1.192495556	1			
12		98						
13								
14								
15	Cases	Symbol	Value	Formula				
16	No of Cases	n	6	=MAX(A4:A10)				
17	Mean	np	2.87755102	=SUMPRODUCT(A4:A10,B4:B10)/SUM(B4:B10)				
18	Total Frequency	N	98	=SUM(B4:B10)				
19	Prob. of Success	p	0.479591837	=C16/C15				
20	Prob. of Failure	q	0.520408163	=1-C18				
21								
22								
23	Expected Frequencies							
24	2							
25	11							
26	25							
27	30							
28	21							
29	8							
30	1							