

	A	B	C	D	E	F	G	H
1	Five fair coin are tossed 100 times. From the following data fit the appropriate distribution and find							
2	the expected frequencies.							
3								
4	No. of Heads (x)	f	p(x)	Expected Frequency f(x)	Round f(x)			
5			=BINOM.DIST (A6,\$C\$16,\$C\$ 19,FALSE)	=C6*\$C\$18	=ROUND (D6,0)			
6	0	2	0.01504592	1.504591951	2			
7	1	10	0.098912989	9.891298935	10			
8	2	24	0.260104528	26.01045275	26			
9	3	38	0.341989286	34.19892862	34			
10	4	18	0.22482629	22.482629	22			
11	5	8	0.059120987	5.912098737	6			
12		100						
13								
14								
15	Cases	Symbol	Value	Formula				
16	No. Of Cases	n	5	=MAX(A6:A11)				
17	Mean	np	2.84	=SUMPRODUCT(A6:A11,B6:B11)/SUM(B6:B11)				
18	Total Frequency	N	100	=SUM(B6:B11)				
19	Prob. Of Success	p	0.568	=C17/C16				
20	Prob. Of Failure	q	0.432	=1-C19				
21								
22								
23	Expected Frequencies							
24	2							
25	10							
26	26							
27	34							
28	22							
29	6							