Geometric Distribution

p	0.5	**q**	0.5

x	Probabilities
1	0.5
2	0.25
3	0.125
4	0.0625
5	0.03125
6	0.015625
7	0.0078125
8	0.00390625
9	0.001953125
10	0.000976563

Geometric Distribution of Getting Tails at nth toss
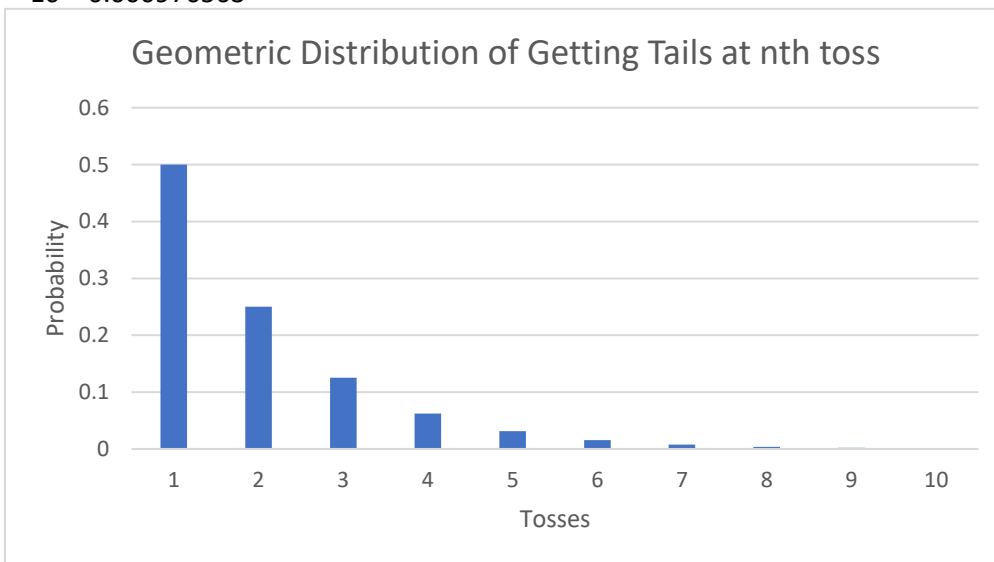
Binomial Distribution -- 3.43 Qualifying electric question, changed n to 10 to show binomial dist.

p	0.7	q	0.3	n	10

y Probabilities

y	Probabilities
0	5.9049E-06
1	0.000137781
2	0.001446701
3	0.009001692
4	0.036756909
5	0.102919345
6	0.200120949
7	0.266827932
8	0.233474441
9	0.121060821
10	0.028247525

Probability of # of people qualifying for discount