X = number of "double sixes" in 100 rolls of the dice

$n = 100,\ p = \frac{1}{36},\ \lambda = np = 2.78$

k	*Binomial Probability*	*Poisson Approximation*
0	.0596	.0620
1	.1705	.1725
2	.2414	.2397
3	.2255	.2221
4	.1564	.1544
5	.0858	.0858
6	.0389	.0398
7	.0149	.0158
8	.0050	.0055
9	.0015	.0017
10	.0004	.0005
11	.0001	.0001