

regular balls	mega ball	prize	winning combos	odds	probability	Expected Value
5	1	\$420,000,000	1	302,575,350	3.30496E-09	\$1.39
5	0	\$1,000,000	24	12,607,306	7.93191E-08	\$0.08
4	1	\$10,000	325	931,001	1.07411E-06	\$0.01
4	0	\$500	7,800	38,792	2.57787E-05	\$0.01
3	1	\$200	20,800	14,547	6.87432E-05	\$0.01
3	0	\$10	499,200	606	0.001649837	\$0.02
2	1	\$10	436,800	693	0.001443607	\$0.01
1	1	\$4	3,385,200	89	0.011187957	\$0.04
0	1	\$2	8,259,888	37	0.027298615	\$0.05
		overall	12,610,038	23.04	0.043412182	\$1.64
p	3.30496E-09					
q	0.999999997					
n	30,000,000					
winners	probability					
0	0.905607893					
1	0.089789987					
2	0.004451287					
3	0.000147113					
4	3.64653E-06					
5	7.23098E-08					
6	1.19491E-09					
7	1.69248E-11					
8	2.09759E-13					
9	2.31082E-15					
10	2.29115E-17					
11	2.06514E-19					
12	1.7063E-21					
13	1.30136E-23					
14	9.21634E-26					
15	6.09193E-28					
16	3.77505E-30					
17	2.20171E-32					
18	1.21276E-34					
19	6.32863E-37					
20	3.13738E-39					
21	1.48127E-41					
22	6.67575E-44					
23	2.87779E-46					
24	1.18887E-48					
25	4.71501E-51					
26	1.79803E-53					
27	6.60268E-56					
28	2.33803E-58					
29	7.99354E-61					
30	2.64183E-63					
31	8.4495E-66					
32	2.61799E-68					
33	7.86577E-71					
34	2.29377E-73					
35	6.49784E-76					
36	1.78959E-78					
37	0					
38	0					

39	0					
40	0					
41	0					
42	0					
43	0					
44	0					
45	0					
46	0					
47	0					
48	0					