

Number of States in the Pencil and Paper Game Tic-Tac-Toe

#	States
1	9
2	72
3	245
4	735
5	1150
6	1530
7	1017
8	502
9	77

The total number of states is 5,337. Number sign (#) denotes the total number of x's and o's on the board.

Number of End States in Tic-Tac-Toe

#	States
1	0
2	0
3	0
4	0
5	105
6	273
7	450
8	321
9	77

The total number of end states is 1,226.

#	States	X Wins	O Wins	Draws
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	105	105	0	0
6	273	134	139	0
7	450	366	84	0
8	321	155	166	0
9	77	44	24	9

The total number of x wins is 804, o wins 413, and draws (ties) are 9.