

"FIRST CONNECT THREE" - HOW TO WIN THIS GAME

# The Strategy *by strategists Michelle, Sanda & Daniela (Y7) and with a little help from Igor & Tom (Y6)*

- To have more chance of winning the game you should aim for the numbers in the middle of the grid (highlighted in green) because they have the most chance of getting three in a row as you can see on slide 2.
- Numbers **0, 1** and **2** have the most amount of ways of being made, as well as this they are one of the numbers with the most ways to create 3 in a row as shown in slide 4.
- Also they are located right next to each other so, if you aim for the 3 in a row with 0, 1, 2 it would be the fastest way to get 3 in a row.

Counting the number of ways in which each of numbers below can be a part of three in a row:

	-5 <i>3 ways</i>	-4 <i>5 ways</i>	-3 <i>4 ways</i>	-2 <i>3 ways</i>
-1	0 <i>6 ways</i>	1 <i>8 ways</i>	2 <i>7 ways</i>	3 <i>3 ways</i>
4 <i>3 ways</i>	5 <i>7 ways</i>	6 <i>8 ways</i>	7 <i>6 ways</i>	8 <i>3 ways</i>
9 <i>3 ways</i>	10 <i>4 ways</i>	11 <i>5 ways</i>	12 <i>3 ways</i>	

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4 <i>3 ways</i>	5 <i>7 ways</i>	6 <i>8 ways</i>	7 <i>6 ways</i>	8 <i>3 ways</i>
9 <i>3 ways</i>	10 <i>4 ways</i>	11 <i>5 ways</i>	12 <i>3 ways</i>	

# ALL THE WAYS TO GET THESE NUMBERS USING THE NUMBERS ON A DICE

-5	1-6	1 way	4	6-2, 5-1, 1-3, 2-2,	4 ways
-4	1-5, 2-6	2 ways	5	6-1, 1-4, 2-3	3 ways
-3	1-4, 2-5, 3-6	3 ways	6	5-1, 3-3, 2-4	3 ways
-2	1-3, 2-4, 3-5, 4-6	4 ways	7	5-2, 6-1, 4-3,	3 ways
-1	1-2, 2-3, 4-5	3 ways	8	5-3, 4-4, 6-2	3 ways
0	6-6, 1-1, 2-2, 3-3, 4-4, 5-5	6 ways	9	5-4, 6-3	2 ways
1	6-5, 5-4, 3-2, 2-1	4 ways	10	6-4, 5-5	2 ways
2	3-1, 4-2, 5-3, 6-4, 1-1	5 ways	11	6-5	1 way
3	4-1, 5-2, 6-3, 1-2	4 ways	12	6-6	1 way