|  |  |
| --- | --- |
| NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_ | **Prob and Stats** |
| Yahtzee | **DATE: Monday, June 05, 2017** |

Lets play Yahtzee using this board:

Now lets make a tree diagram for your chances of getting Yahtzee:

Yahtzee:

We are going to play yahtzee again, this time, the goal is just yahtzee. Play 50 times. Fill out the table below:

Yahtzee:

|  |  |  |  |
| --- | --- | --- | --- |
| First roll number in common | # of times this happened | TALLY | # of Times you ended up with Yahtzee |
| 0 |  |  |  |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| TOTAL |  |  |  |

As a class:

|  |  |  |
| --- | --- | --- |
| First roll number in common | Probability of this happening | Probability of getting yahtzee  |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| TOTAL |  |  |

PROBABILITY OF GETTING YAHTZEE IN TOTAL: \_\_\_\_\_\_