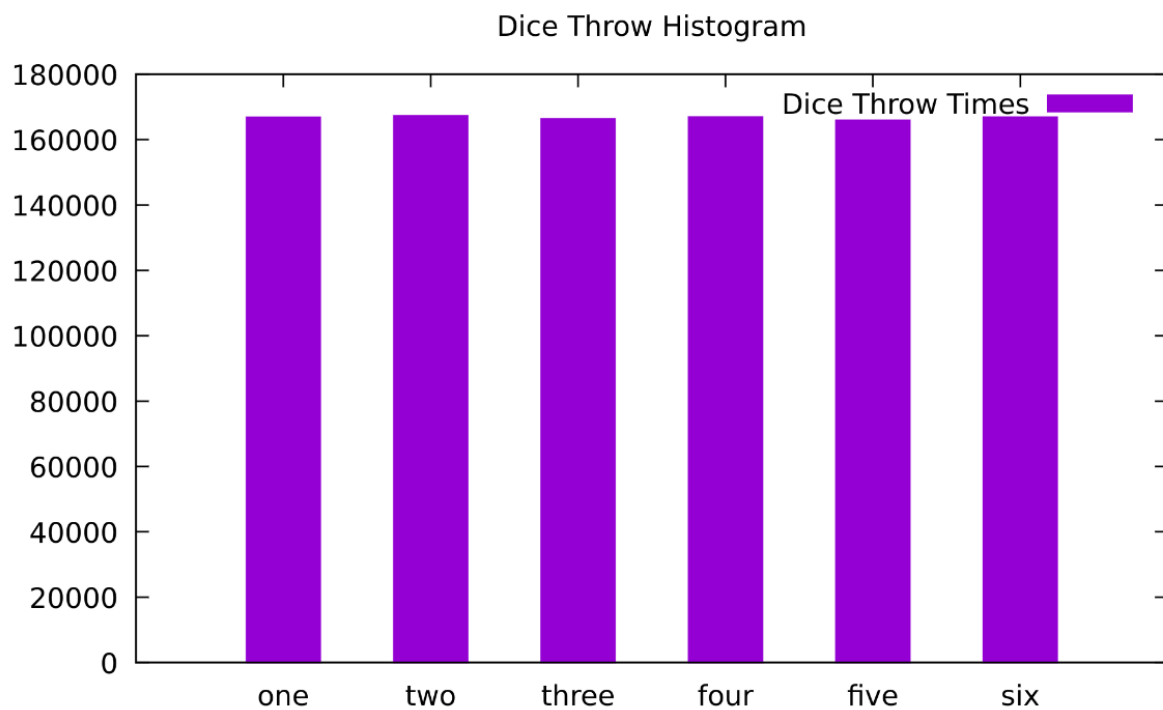


# S1 REPORT

Q1.

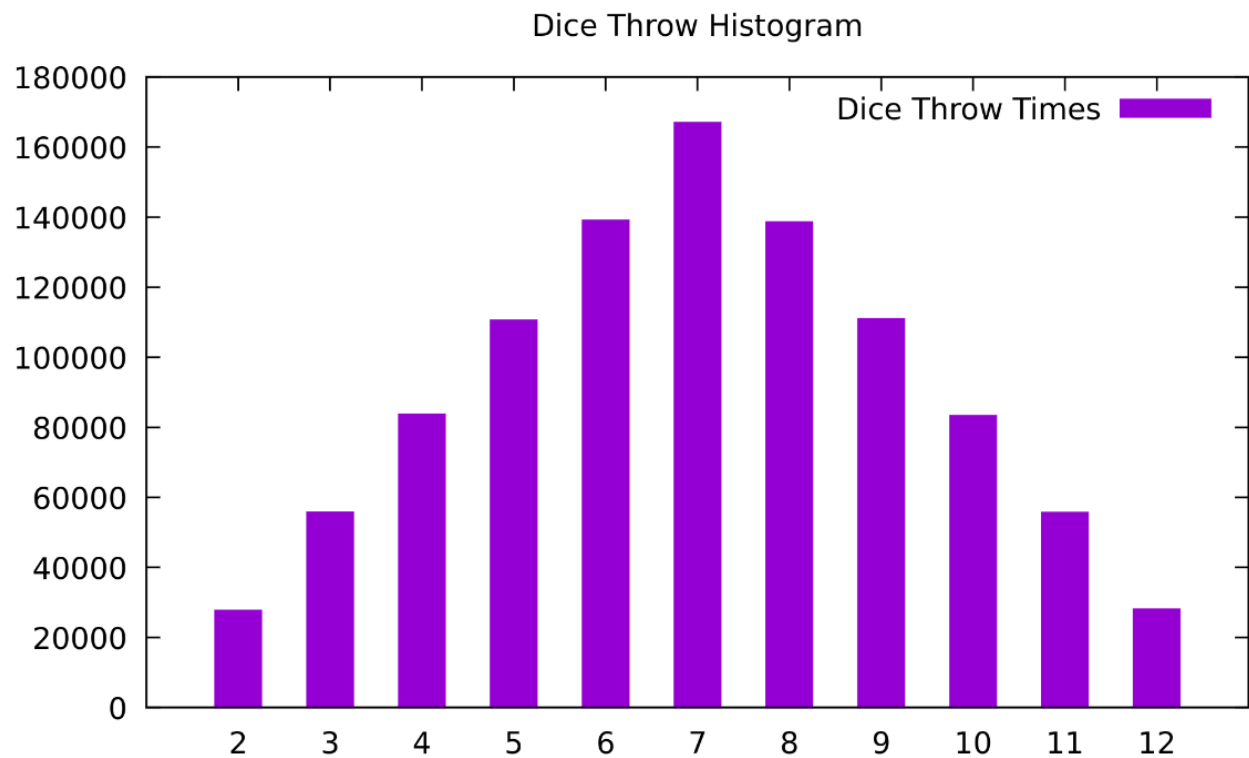
## GRAPH



We can see from the graph that the probability of a number occurring on a dice throw is almost equal. The number of times any number occurs on a dice throw million times is almost uniformly distributed. (Close to  $n/6$ )

Q2.

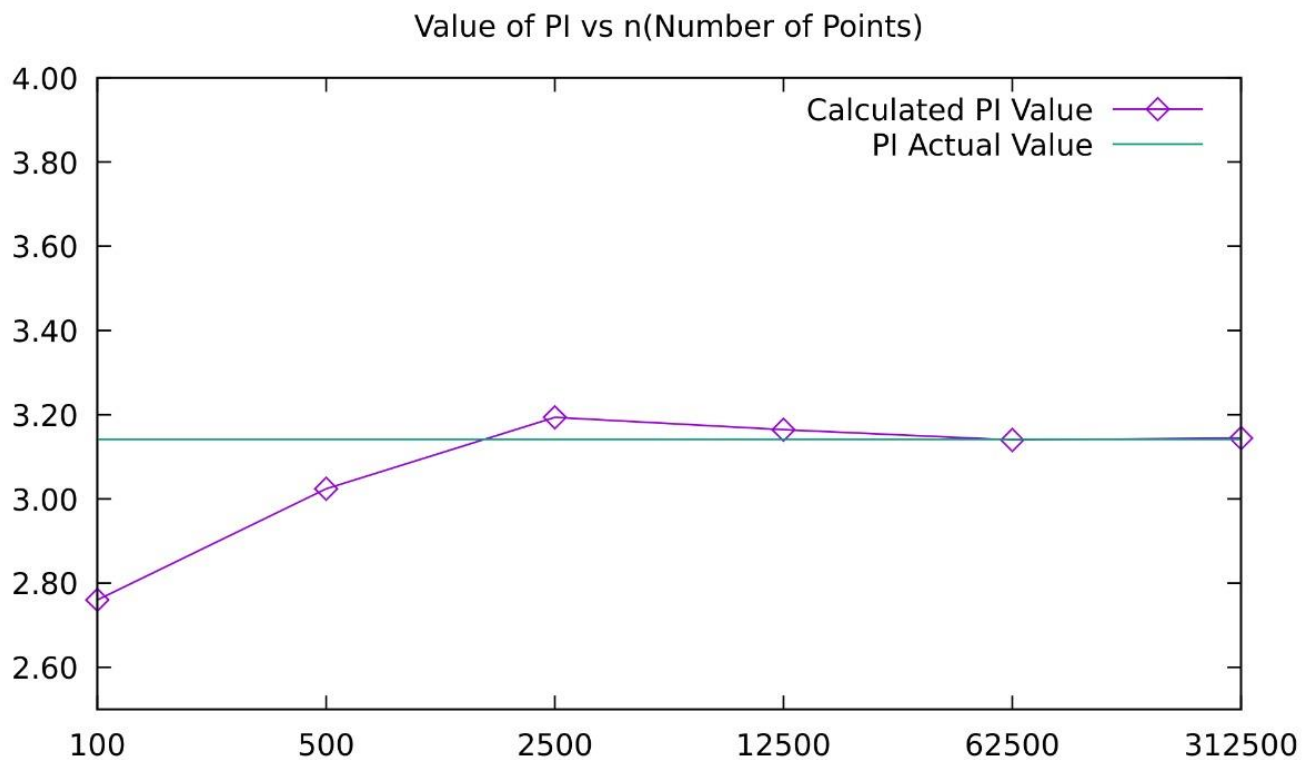
## GRAPH



We can see from the graph that the number of times any sum of numbers occurring on two dices thrown million times is not uniformly distributed but increases from 2 to 7 & then decreases. The graph is nearly equivalent to what we expect from a theoretical point of view.

Q3.

## GRAPH



We can see from the graph that the value of PI comes closer to the actual theoretical value on increasing the number of points for the calculation of the value. The estimate of value becomes better with n.