

Theoretical / Experimental Probability

1) If you roll a die like the one pictured, what would be the Theoretical Probability of each of these events:



Rolling either a 5 or a 6

Rolling a number less than 3

Rolling a number larger than 2

Rolling an odd number

2) There are 84 colored chips in a bag, each either red, white or blue. The Theoretical Probability of picking a blue chip is 25%. How many blue chips are in the bag?

Lowest Temperature on May 1st, 1961 - 2000	
Temp.	Frequency
20° - 30°	7
30° - 40°	7
40° - 50°	14
50° - 60°	16
60° - 70°	6

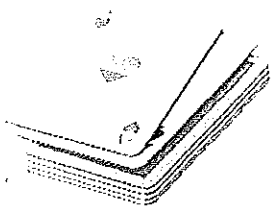
Based upon the statistics shown in this table:

What is the Probability that the low temperature on May 1st will be higher than 40°?

Is this a Theoretical or an Experimental Probability?

What is the Probability that the low temperature will be between 50° and 70°?

3) From a deck of 52 playing cards, what is the probability that if you draw one card, it will be a 2, 3, 4 or 5?



Is this an Experimental or a Theoretical Probability?