* **Rolling a die and having a number greater than 5**

A die has six sides. Each side has only one number from 1-6. There is only one number that is greater than five which is six. The probability of any number to appear when we throw a dice is 1/6 or 0.16666 or 16.67%. Thus, the probability of six to occur is 16.67%. On the other hand, the probability of six not to occur is 0.83333 (1- 0.16666) or 83.33%. Also, we can put the other way, the probability of six not occurring is 5/6.

* **Rolling a die and return a 6**

The answer the same as above. Only one side can appear face up. Since there are six faces and each face has only one number from one through six and equal probability of occurring. So, number six has 16.67% chance of return.

* **Selecting a card from a standard pack of cards that is Red**

Standard pack of cards has total of 52 cards. It means that any card has probability of 1/52 or 1.92%. But we are only interested in red cards. Since, there are 26 red cards. That means selecting any red card has a probability of 26/52 or 50%.

* **Selecting a card from a standard pack of cards that is an Ace**

Because there are four Aces in a deck of cards. It means selecting a card that is Ace has probability of 4/52 (0.07692) or 7.69%. We can say the other way. The chance of not selecting Aces is 48/52 (0.92307) or 92.31%.

* **Flipping a coin and getting heads**

Coin has two sides. Only one side can appear. The probability of each side is 1/2 (0.5) or 50%. Thus, the getting heads is 50% or not getting heads is 100% - 50% (getting heads) = 50%.