**Question1: Rolling a die and having a number greater than 5**

**Answer:**

Assuming it is anOctohedral die which meansdie has 8 sides. Each side has 1,2,3,4,5,6,7,8 numbers of dots. So probability of having number greater than 5 when rolled once is P(>=5) = # of possibilities to get the number greater than 5 / Total number of sides

Any number greater than 5 means 6,7 or 8. So the answer is P(6)+P(7)+P(8)=1/8+1/8+1/8=3/8

**Question2: Rolling a die and return a 6**

**Answer:**

Assuming it is an Octohedral die which means die has 8 sides. Each side has 1,2,3,4,5,6,7,8 numbers of dots. So the probability of die return 6 when rolled once is only 1 time hence the answer is 1/8.

**Questions3: Selecting a card from a standard pack of cards that is Red**

**Answer:**

In a standard pack of cards, there are 26 red and 26 black cards. So the probability of getting red card is 50% i.e. 26/52.

**Question4: Selecting a card from a standard pack of cards that is an Ace**

**Answer:**

In a standard pack of cards, there are 13 spades, 13 hearts, 13 diamonds and 13 clover. Each set has got one Ace card so there are total of 4 aces in the deck. The answer is 4/52.

**Question5: Flipping a coin and getting heads**

**Answer:**

Coin has two sides, on one side heads and the other side tails. So when the coin is flipped, we either get heads or tails. The answer is 1/2.