The unusual die pictured at the right has 20 sides, numbered 1 through 20.

1. If you roll the die, what is the probability of rolling an odd number? 

2. If you roll the die, what is the probability of rolling a number greater than 9? 

3. If you roll the die, what is the probability of rolling a number less than 4? 

There are 52 cards in the deck of playing cards pictured at the right. There are no jokers in the deck.

4. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose the queen of hearts? 

5. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose a club? 

6. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose a jack? 

7. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose a black card?
The unusual die pictured at the right has 20 sides, numbered 1 through 20.

1. If you roll the die, what is the probability of rolling an odd number? 10 out of 20 or 1 out of 1

2. If you roll the die, what is the probability of rolling the a number greater than 9? 11 out of 20

3. If you roll the die, what is the probability of rolling the a number less than 4? 3 out of 20

There are 52 cards in the deck of playing cards pictured at the right. There are no jokers in the deck.

4. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose the queen of hearts? 1 out of 52

5. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose a club? 13 out of 52 or 1 out of 4

6. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose a jack? 48 out of 52 or 1 out of 13

7. If you shuffle the deck of cards, and choose one at random, what is the probability that you will choose a black card? 26 out of 52 or 1 out of 2