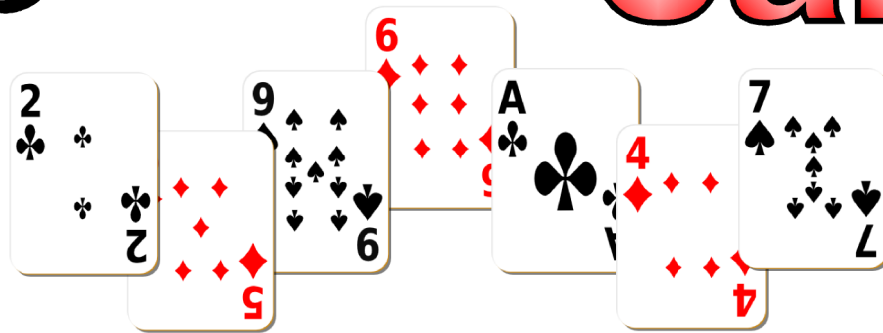


# Probability Cards



**PROBABILITY:** The chance that an event will occur.

*Tip: There are 52 cards in a deck. Ace is high.*

**(Answers)**

What is the probability of picking...

1. an ace from a deck of cards?

4 aces in a deck of 52 cards =  $4/52 = 1/13$

2. a number less than 4 from a deck of cards?

4 twos and 4 threes in a deck of 52 cards =  $8/52 = 2/13$

3. a face card from a deck of cards?

4 jacks, 4 queens and 4 kings in a deck of 52 cards =  $12/52 = 3/13$

4. a spade from a deck of cards?

13 spades in a deck of cards =  $13/52 = 1/4$

5. an 8 or a 9 from a deck of cards?

4 eights and 4 nines in a deck of 52 cards =  $8/52 = 2/13$

**Bonus:** If two jokers are present in a deck of cards, what is the probability of picking one joker?



Jokers are in addition to the normal 52 cards, making 54 cards =  $2/54 = 1/27$