

Name _____

Below, the hand rankings are displayed in an order of highest ranking hand (1. Royal Flush) to the lowest ranking hand (10. High Card).

1. Royal Flush

A, K, Q, J, 10 all of the same suit.



P(Royal Flush)= _____

2. Straight Flush

Any five card sequence in the same suit. (Ex: 8, 9, 10, J, Q and A, 2, 3, 4, 5 of same suit).



P(Straight Flush)= _____

3. Four of a Kind

All four cards of the same index (Ex: Q, Q, Q, Q).



P(4 of Kind)= _____

4. Full House

Three of a kind combined with a pair (Ex: A, A, A, 5, 5).



P(Full House)= _____

5. Flush

Any five cards of the same suit, but not in sequence.



P(Flush)= _____

Name _____

6. Straight

Five cards in sequence, but not of the same suit.



P(Straight)= _____

7. Three of a Kind

Three cards of the same rank.



P(Three of Kind)= _____

8. Two pair

Two separate pairs (Ex: J, J, 9, 9).



P(Two Pair)= _____

9. Pair

Two cards of the same rank. (Q, Q).



P(Pair)= _____

10. Highest Card (Nothing)

Highest card in your hand.



P(High Card)= _____

Your task is to compute the probability of each hand. State the Probability as both a fraction and a decimal. Count the number of ways each hand can be dealt, and remember, this is without replacement and order does not matter. Attach your work as a separate page. List your probabilities under each box. There are $52C5$ ways to draw 5 cards from a deck. You must show your work to receive credit!