

Math 10B Probability Worksheet 1

If you are dealt a hand of five cards from a deck of 52, calculate the probability of each of the following events.

1. One pair.
2. Two pairs.
3. Three of a kind.
4. Straight—i.e. five cards of sequential value like 8,9,10,J,Q.
5. Flush—i.e. all cards have the same suit.
6. Full house—i.e. three of one value and two of another value.
7. Four of a kind.
8. Straight flush that is not a royal flush.
9. Royal flush—i.e. 10,J,Q,K,A all of one suit.
10. None of the above.