

FOM 12
Card Problems

Name: _____

A standard deck of 52 playing cards consists of 4 suits (spades, hearts, diamonds, and clubs) of 13 cards each.

1. How many ways can you pull either a black jack or a heart from a standard deck of cards?
2. How many ways can you pull either a spade or a jack from a standard deck of cards?
3. How many different 5-card hands can be formed?
4. How many different 5-card hands can be formed that consist of all hearts?
5. How many different 5-card hands can be formed that consist of all face cards?
6. How many different 5-card hands can be formed that consist of 3 hearts and 2 spades?

7. How many different 5-card hands can be formed that consist of at least 3 hearts?

8. How many different 5-card hands can be formed that consist of at most 1 black card?

1.	15
2.	16
3.	2 598 960
4.	1287
5.	792
6.	22 308
7.	241 098
8.	454 480