

## Section 3.2: Sample Space of Poker Deck

	A	2	3	4	5	6	7	8	9	10	J	Q	K
♥	A♥	2♥	3♥	4♥	5♥	6♥	7♥	8♥	9♥	10♥	J♥	Q♥	K♥
♦	A♦	2♦	3♦	4♦	5♦	6♦	7♦	8♦	9♦	10♦	J♦	Q♦	K♦
♠	A♠	2♠	3♠	4♠	5♠	6♠	7♠	8♠	9♠	10♠	J♠	Q♠	K♠
♣	A♣	2♣	3♣	4♣	5♣	6♣	7♣	8♣	9♣	10♣	J♣	Q♣	K♣

A poker deck contains **four suits**: diamonds, hearts, spades, and clubs. The diamonds and hearts are **red** and the spades and clubs are **black**.

Each suit has thirteen cards: Ace, 2, 3, 4, 5, 6, 7, 8, 9, 10, Jack, Queen, and King. This makes a **total of 52 cards**.

A **face card** will be defined to be a Jack, Queen, or King.

An **even number** means 2, 4, 6, 8, or 10.