



1. Calculate the Probability of Red card?

$$P(\text{Red}) = 26/52$$

2. Calculate the Probability of Picture card?

$$P(\text{PIC}) = 12/52$$

3. Calculate the Probability of Number card?

$$P(\text{Num}) = 40/52$$

4. Calculate the Probability of Red and Diamond card?

$$P(\text{Red} \cap \text{Diamond}) = 13/52$$

5. Calculate the Probability of Red or Clubs card?

$$P(\text{Red} \cup \text{Club}) = 39/52$$

6. Calculate the Probability of Red and Clubs card?

$$P(\text{Red} \cap \text{Club}) = 0/52$$