

You are drawing 5 cards from a standard 52 card deck. Calculate each probability.

1. $P(3 \text{ Hearts}) =$

2. $P(4 \text{ Hearts}) =$

3. $P(5 \text{ Hearts}) =$

4. $P(3 \text{ Kings}) =$

5. $P(\text{All the same suit}) =$

A bag has 8 green marbles, 4 blue marbles, and 3 yellow marbles. You draw 3 marbles at random from the bag. Calculate each probability.

6. $P(\text{One of each color}) =$

7. $P(\text{Exactly one green marble}) =$

8. $P(\text{All 3 are yellow}) =$

9. $P(\text{no blue}) =$

10. $P(\text{at least 2 green marbles}) =$