

1. You flip a coin twice. What is the probability of getting two heads?
- A  $1/4$       B  $1/2$   
C  $3/4$       D  $1$
2. You roll two equal six-sided dice. What is the probability of rolling a number greater than 4 on both dice?
- A  $2/7$       B  $1/9$   
C  $1/36$       D  $4/9$
3. A bag contains 4 red marbles, 5 blue marbles, and 1 green marble. If you randomly pick two marbles without replacement, what is the probability that both are blue?
- A  $1/2$       B  $3/13$   
C  $2/9$       D  $1/6$
4. What is the probability of drawing two hearts from a standard deck of 52 cards, without replacement?
- A  $11/51$       B  $1/4$   
C  $12/52$       D  $1/17$
5. How many ways can the letters of the word "APPLE" be arranged?
- A  $60$       B  $120$   
C  $80$       D  $140$
6. In how many ways can 5 people be seated in 6 chairs?
- A  $120$       B  $720$   
C  $360$       D  $150$
7. In how many ways can a committee of 3 people be chosen from a group of 7 people?
- A  $30$       B  $32$   
C  $35$       D  $40$
8. A shop offers 10 different ice cream flavors. If you want to choose 3 flavors to create a sundae, how many different combinations of flavors can you choose?
- A  $100$       B  $112$   
C  $115$       D  $120$