

Practice 7

Probability and Statistics

Level: 1

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