

- 1) When 2 dice are rolled, find the probability of getting a sum of 3. 1) _____
A) $\frac{1}{18}$ B) $\frac{33}{36}$ C) $\frac{5}{8}$ D) $\frac{5}{54}$
- 2) Cards numbered 1–8 are shuffled and dealt face down. What is the probability that they are in order? 2) _____
A) 0.00001240 B) 0.00002480 C) 0.00039683 D) 0.00004960
- 3) The numbers 1 through 8 are written in separate slips of paper, and the slips are placed into a box. Then, 4 of these slips are drawn at random. 3) _____
What is the probability that the drawn slips are "1", "2", "3", and "4", in that order?
A) 0.01428 B) 0.01429 C) 0.34296 D) 0.000595
- 4) A bookcase contains 2 statistics books and 5 biology books. If 2 books are chosen at random, the chance that both are statistics books is _____. 4) _____
A) $\frac{1}{21}$ B) $\frac{10}{21}$ C) $\frac{10}{11}$ D) $\frac{1}{11}$
- 5) Three statistics professors and seven chemistry professors are available to be advisors to a student organization. The student organization needs two of the professors to be advisors. If each professor has an equal chance of being selected, what is the probability that both professors are chemistry professors? 5) _____
A) 0.233 B) 0.467 C) 0.111 D) 0.100
- 6) A committee consist of 7 women and 10 men. Three members are chosen as officers. What is the probability that all three officers are women? 6) _____
A) 0.1765 B) 0.01163 C) 0.0515 D) 0.0698
- 7) In a company there are 8 executives: 6 women and 2 men. 2 are selected to attend a management seminar. Find the probability that 1 men and 1 woman will be selected. 7) _____
A) ≈ 0.0400 B) ≈ 0.0833 C) ≈ 0.2500 D) 0.4286
- 8) A package contains 10 resistors, 2 of which are defective. If 3 are selected, find the probability of getting 1 defective resistor. 8) _____
A) ≈ 0.0167 B) ≈ 0.2333 C) ≈ 0.3571 D) ≈ 0.4667

9) A football team consists of 20 freshmen and 20 sophomores, 12 juniors, and 5 seniors. Four players are selected at random to serve as captains. Find the probability that there are 2 sophomores and 2 freshmen.

A) ≈ 0.3950

B) ≈ 0.2000

C) ≈ 0.0005

D) ≈ 0.0914

9) _____

Answer Key

Testname: PRACTICE12

- 1) A
- 2) B
- 3) D
- 4) A
- 5) B
- 6) C
- 7) D
- 8) D
- 9) D