

GMAT Probability Questions: MCQ

Practice Questions

1. There are these two sets of letters, and you are going to pick exactly one letter from each set. What is the probability of picking at least one vowel?
 - Set #1 = {A, B, C, D, E}
 - Set #2 = {K, L, M, N, O, P}
 - A. $\frac{1}{2}$
 - B. $\frac{1}{3}$
 - C. $\frac{1}{6}$
 - D. $\frac{5}{6}$
2. Suppose you flip a fair coin six times. What is the probability that, in six flips, you get at least one head?
 - A. $\frac{13}{16}$
 - B. $\frac{15}{16}$
 - C. $\frac{31}{32}$
 - D. $\frac{63}{64}$
3. John has on his shelf four books of poetry, four novels, and two reference works. Suppose from these ten books, we were to pick two books at random. What is the probability that we pick one novel and one reference work?
 - A. $\frac{1}{6}$
 - B. $\frac{8}{45}$
 - C. $\frac{3}{10}$
 - D. $\frac{5}{2}$
4. In a drawer, there are 4 white socks, 3 blue socks, and 5 grey socks. Two socks are picked randomly. What is the possibility that both the socks are of the same color?
 - A. 1
 - B. $\frac{17}{21}$
 - C. $\frac{13}{17}$
 - D. $\frac{19}{66}$
5. In a pack of a dozen candies, four candies are orange flavored. If a kid randomly picks two candies from the pack, what is the probability that the kid has no orange-flavored candy?

- A. $\frac{1}{7}$
 - B. $\frac{2}{11}$
 - C. $\frac{14}{33}$
 - D. $\frac{7}{33}$
6. Of 200 people surveyed, 80 percent own a cellular phone and 45 percent own a pager. If all 200 people surveyed own a cellular phone, or a pager, or both, what percent of those surveyed either do not own a cellular phone or do not own a pager?
- A. 35%
 - B. 75%
 - C. 55%
 - D. 65%
7. When 22 people are selected at random from a group of 44 females and 44 males, what is the probability that at least one female is selected?
- A. $\frac{5}{14}$
 - B. $\frac{7}{14}$
 - C. $\frac{9}{14}$
 - D. $\frac{11}{14}$
8. Two dice are tossed once. The probability of getting an even number at the first die or a total of 8 is
- A. $\frac{20}{36}$
 - B. $\frac{3}{36}$
 - C. $\frac{11}{36}$
 - D. $\frac{29}{36}$
9. A small company employs 3 men and 5 women. If a team of 4 employees is to be randomly selected to organize the company retreat, what is the probability that the team will have exactly 2 women?
- A. $\frac{1}{14}$
 - B. $\frac{1}{7}$
 - C. $\frac{2}{7}$
 - D. $\frac{3}{7}$
10. From a jar containing 4 red and 2 white marbles, Lionel draws two marbles simultaneously and at random. What is the probability that he picks one marble of each color?
- A. $\frac{2}{15}$
 - B. $\frac{8}{15}$
 - C. $\frac{7}{15}$
 - D. $\frac{4}{15}$

Answers

1. A
2. D
3. B
4. D
5. C
6. B
7. D
8. A
9. A
10. B