

Direction: Select the letter of the correct answer.

1) What is the probability that when you roll two fair six-sided dice, the numbers you will obtain are equal?

- (A) $\frac{1}{3}$
- (B) $\frac{1}{2}$
- (C) $\frac{1}{6}$
- (D) $\frac{1}{9}$

2) Suppose that you randomly select a card from a standard deck of playing cards. What is the probability that the card you will obtain is either a queen or a spade?

- (A) $\frac{2}{13}$
- (B) $\frac{4}{13}$
- (C) $\frac{5}{13}$
- (D) $\frac{6}{13}$

3) What is the probability that when you roll a fair six-sided die, the result is a composite number?

- (a) $\frac{1}{3}$
- (b) $\frac{1}{6}$
- (c) $\frac{1}{2}$
- (d) 1

4) What is the probability that when you roll two fair six-sided dice, the numbers you will obtain will have a sum smaller than 15?

- (a) 0
- (b) 1
- (c) 0.5
- (d) 0.33

5) Suppose that you will randomly select a value for X for the number 1456X. You can only select from whole numbers 0 to 9. What is the probability that the value for X that you will obtain will make 1456X a number divisible by 4?



Probability

Practice Questions

- (a) $1/10$
- (b) $\frac{2}{5}$
- (c) $\frac{1}{2}$
- (d) $\frac{1}{5}$



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