

## Probability Problems



- 1) A number is chosen at random from 1 to 13. Find the probability of selecting a 6 or smaller.
  
  
  
- 2) A number is chosen at random from 1 to 26. Find the probability of selecting a 6 or smaller.
  
  
  
- 3) A number is chosen at random from 1 to 15. Find the probability of selecting a 2 or smaller.
  
  
  
- 4) Bag A contains 22 red marbles and 6 green marbles. Bag B contains 5 black marbles and 9 orange marbles. What is the probability of selecting a green marble at random from bag A? What is the probability of selecting a black marble at random from Bag B?
  
  
- 5) A number is chosen at random from 1 to 44. Find the probability of selecting prime numbers.
  
  
  
- 6) Bag A contains 8 red marbles and 9 green marbles. Bag B contains 9 black marbles and 1 orange marble. What is the probability of selecting a green marble at random from bag A? What is the probability of selecting a black marble at random from Bag B?
  
  
- 7) A number is chosen at random from 1 to 38. Find the probability of selecting prime numbers.
  
  
  
- 8) A number is chosen at random from 1 to 20. Find the probability of selecting prime numbers.
  
  
  
- 9) A number is chosen at random from 1 to 34. Find the probability of selecting prime numbers.
  
  
  
- 10) A number is chosen at random from 1 to 30. Find the probability of selecting prime numbers.

## Answers of Probability Problems



1) A number is chosen at random from 1 to 13. Find the probability of selecting a 6 or smaller.

$$\frac{6}{13}$$

2) A number is chosen at random from 1 to 26. Find the probability of selecting a 6 or smaller.

$$\frac{3}{13}$$

3) A number is chosen at random from 1 to 15. Find the probability of selecting a 2 or smaller.

$$\frac{2}{15}$$

4) Bag A contains 22 red marbles and 6 green marbles. Bag B contains 5 black marbles and 9 orange marbles. What is the probability of selecting a green marble at random from bag A?

What is the probability of selecting a black marble at random from Bag B?  $\frac{3}{14}, \frac{5}{14}$

5) A number is chosen at random from 1 to 44. Find the probability of selecting prime numbers.  $\frac{7}{22}$

6) Bag A contains 8 red marbles and 9 green marbles. Bag B contains 9 black marbles and 1 orange marbles. What is the probability of selecting a green marble at random from bag A?

What is the probability of selecting a black marble at random from Bag B?  $\frac{9}{17}, \frac{9}{10}$

7) A number is chosen at random from 1 to 38. Find the probability of selecting prime numbers.  $\frac{6}{19}$

8) A number is chosen at random from 1 to 20. Find the probability of selecting prime numbers.  $\frac{2}{5}$

9) A number is chosen at random from 1 to 34. Find the probability of selecting prime numbers.  $\frac{11}{34}$

10) A number is chosen at random from 1 to 30. Find the probability of selecting prime numbers.  $\frac{1}{3}$