

## Probability Problems



 Solve.

- 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 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?
- 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

 Solve.

- 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.  $\frac{1}{3}$