

# Probability Problems



**Solve.**

- 1) A number is chosen at random from **1** to **44**. Find the probability of selecting prime numbers.
- 2) A number is chosen at random from **1** to **19**. Find the probability of selecting a **4** or smaller.
- 3) A number is chosen at random from **1** to **27**. Find the probability of selecting a **2** or smaller.
- 4) A number is chosen at random from **1** to **18**. Find the probability of selecting prime numbers.
- 5) Bag A contains **14** red marbles and **8** green marbles. Bag B contains **9** black marbles and **6** 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?
- 6) A number is chosen at random from **1** to **24**. Find the probability of selecting a **2** or smaller.
- 7) A number is chosen at random from **1** to **36**. Find the probability of selecting prime numbers.
- 8) A number is chosen at random from **1** to **46**. Find the probability of selecting prime numbers.
- 9) A number is chosen at random from **1** to **20**. Find the probability of selecting prime numbers.
- 10) A number is chosen at random from **1** to **11**. Find the probability of selecting a **2** or smaller.
- 11) A number is chosen at random from **1** to **18**. Find the probability of selecting a **4** or smaller.
- 12) Bag A contains **19** red marbles and **5** green marbles. Bag B contains **6** black marbles and **5** 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?

# Answers of Probability Problems



Solve.

- 1) A number is chosen at random from **1** to **44**. Find the probability of selecting prime numbers.  $\frac{7}{22}$
- 2) A number is chosen at random from **1** to **19**. Find the probability of selecting a **4** or smaller.  $\frac{4}{19}$
- 3) A number is chosen at random from **1** to **27**. Find the probability of selecting a **2** or smaller.  $\frac{2}{27}$
- 4) A number is chosen at random from **1** to **18**. Find the probability of selecting prime numbers.  $\frac{7}{18}$
- 5) Bag A contains **14** red marbles and **8** green marbles. Bag B contains **9** black marbles and **6** 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?  $\frac{4}{11}, \frac{3}{5}$
- 6) A number is chosen at random from **1** to **24**. Find the probability of selecting a **2** or smaller.  $\frac{1}{12}$
- 7) A number is chosen at random from **1** to **36**. Find the probability of selecting prime numbers.  $\frac{11}{36}$
- 8) A number is chosen at random from **1** to **46**. Find the probability of selecting prime numbers.  $\frac{7}{23}$
- 9) A number is chosen at random from **1** to **20**. Find the probability of selecting prime numbers.  $\frac{2}{5}$
- 10) A number is chosen at random from **1** to **11**. Find the probability of selecting a **2** or smaller.  $\frac{2}{11}$
- 11) A number is chosen at random from **1** to **18**. Find the probability of selecting a **4** or smaller.  $\frac{2}{9}$
- 12) Bag A contains **19** red marbles and **5** green marbles. Bag B contains **6** black marbles and **5** 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?  $\frac{5}{24}, \frac{6}{11}$