Probability Problems

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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? $\frac{5}{24}, \frac{6}{11}$