Name:

Date:

Probability problems

Solve.

1) A number is chosen at random from 1 to 21. Find The probability of selecting prime number.

2) A number is chosen at random from 1 to 25. Find The probability of selecting a 10 or bigger.

3) Bag A contains 10 red marbles and 5 green marbles. Bag B contains 6 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 ?

4) A number is chosen at random from 1 to 21. Find The probability of selecting a 6 or Smaller.

5) Bag A contains 8 blue marbles and 7 red marbles. Bag B contains 9 white marbles and 3 green marbles. What is the probability of selecting a red marble at random from bag A? What is the probability of selecting a green marble at random from bag B ?

6) A number is chosen at random from 1 to 27. Find The probability of selecting prime number.

7) A number is chosen at random from 1 to 35. Find The probability of selecting a 10 or Smaller.

8) A number is chosen at random from 1 to 44. Find The probability of selecting prime number

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Probability problems

Name:

Date:

Answers



Solve.

1) A number is chosen at random from 1 to 21. Find The probability of selecting prime number. $\frac{8}{21}$

2) A number is chosen at random from 1 to 25. Find The probability of selecting a 10 or bigger. $\frac{3}{5}$

3) Bag A contains 10 red marbles and 5 green marbles. Bag B contains 6 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?
probability of selecting a green marble from bag A: $\frac{5}{15} = \frac{1}{3}$
probability of selecting a black marble bag B: $\frac{6}{12} = \frac{1}{2}$

4) A number is chosen at random from 1 to 21. Find The probability of selecting a 6 or Smaller. $\frac{6}{21}$

5) Bag A contains 8 blue marbles and 7 red marbles. Bag B contains 9 white marbles and 3 green marbles. What is the probability of selecting a red marble at random from bag A? What is the probability of selecting a green marble at random from bag B? probability of selecting a red marble from bag A: $\frac{7}{15}$
probability of selecting a green marble from bag B: $\frac{1}{4}$

6) A number is chosen at random from 1 to 27. Find The probability of selecting prime number. $\frac{1}{3}$

7) A number is chosen at random from 1 to 35. Find The probability of selecting a 10 or Smaller. $\frac{2}{7}$

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

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