

Name: _____

Date: _____

Probability Problems**Solve.**

1) A number is chosen at random from 1 to 10. Find the probability of selecting of 4 and factors of 6.

2) A number is chosen at random from 1 to 50. Find the probability of selecting multiples of 10.

3) A card is chosen from a well-shuffled deck of 52 cards. What is the probability that the card will be a king OR a queen?

4) A number is chosen at random from 1 to 10. Find the probability of selecting a multiple of 3.

5) A number is chosen at random from 1 to 10. Find the probability of selecting a 4 or smaller.

6) A spinner, numbered 1–8, is spun once. What is the probability of spinning a PRIME number?



7) A spinner, numbered 1–8, is spun once. What is the probability of spinning an EVEN number?



9) A spinner, numbered 1–8, is spun once. What is the probability of spinning number 9?



8) A number is chosen at random from 1 to 50. Find the probability of selecting prime numbers.

10) Bag A contains 9 red marbles and 3 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?



- 1) A number is chosen at random from 1 to 10. Find the probability of selecting of 4 and factors of 6.

$$\frac{1}{5}$$

- 2) A number is chosen at random from 1 to 50. Find the probability of selecting multiples of 10.

$$\frac{1}{10}$$

- 3) A card is chosen from a well-shuffled deck of 52 cards. What is the probability that the card will be a king OR a queen?

$$\frac{2}{13}$$

- 4) A number is chosen at random from 1 to 10. Find the probability of selecting a multiple of 3.

$$\frac{3}{10}$$

- 5) A number is chosen at random from 1 to 10. Find the probability of selecting a 4 or smaller.

$$\frac{2}{5}$$

- 6) A spinner, numbered 1–8, is spun once. What is the probability of spinning a PRIME number?



$$\frac{1}{2}$$

- 7) A spinner, numbered 1–8, is spun once. What is the probability of spinning an EVEN number?



$$\frac{1}{2}$$

- 8) A number is chosen at random from 1 to 50. Find the probability of selecting prime numbers.

$$\frac{3}{10}$$

- 9) A spinner, numbered 1–8, is spun once. What is the probability of spinning number 9?



$$0$$

- 10) Bag A contains 9 red marbles and 3 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?

$$\frac{1}{4}, \frac{3}{5}$$