



Name _____ Class _____ Date _____

1 You flip a coin two times. The probability of getting **two tails** is represented by _____.

- A $\frac{1}{4} + \frac{1}{4}$
- B $\frac{1}{2} + \frac{1}{2}$
- C $\frac{1}{4} \cdot \frac{1}{4}$
- D $\frac{1}{2} \cdot \frac{1}{2}$

3 The following spinner is spun once and the die is rolled once. What is the probability that the **spinner will land on a non-blue area and the die will roll a number less than three**?



2 Kara was picking cards from a regular deck. If she replaced the card she picked back into the deck, what is the probability that she would first pick a **king and then a club**?

- A $\frac{1}{13}$
- B $\frac{1}{52}$
- C $\frac{16}{52}$
- D $\frac{17}{52}$

4 There are 10 marbles in a bag. Two of them are green, three are blue, four are yellow, and one is red. What is the probability of picking a **yellow and then a green marble** if the first marble drawn is not replaced in the bag?



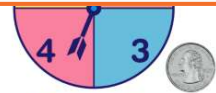
PREVIEW

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7 A true
B false



- A {1H, 2H, 3H, 4H}
- B {1H, 2H, 1T, 2T}
- C {1H, 1T, 2H, 2T, 3H, 3T, 4H, 4T}
- D {1H, 2H, 3H, 4T}



9 A **sample space** consists of the numbers 1 – 5 and the colors blue, red, and green. What is the probability of getting a **2 and green**?

- A $\frac{1}{3}$
- B $\frac{1}{5}$
- C $\frac{1}{10}$
- D $\frac{1}{15}$

10 On a pizza, three slices have **mushrooms**, two slices have **sausage**, and three slices have **pepperoni**. What is the probability of getting a piece with **sausage**?



- A $\frac{1}{2}$
- B $\frac{1}{4}$
- C $\frac{1}{8}$
- D $\frac{3}{8}$



ANSWER KEY

You flip a coin two times. The probability of getting **two tails** is represented by _____.

A $\frac{1}{4} + \frac{1}{4}$

C $\frac{1}{4} \cdot \frac{1}{4}$

B $\frac{1}{2} + \frac{1}{2}$

D $\frac{1}{2} \cdot \frac{1}{2}$

(d)

Kara was picking cards from a regular deck. If she replaced the card she picked back into the deck, what is the probability that she would first pick a **king and then a club**?

(b)

A $\frac{1}{13}$

B $\frac{1}{52}$

C $\frac{16}{52}$

D $\frac{17}{52}$

The following spinner is spun once and the die is rolled once. What is the probability that the **spinner will land on a non-blue area and the die will roll a number less than three**?



(c)

There are 10 marbles in a bag. Two of them are green, three are blue, four are yellow, and one is red. What is the probability of picking a **yellow and then a green marble** if the first marble drawn is not replaced in the bag?

(a)



PREVIEW

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- A** true
- B** false



- A** {1H, 2H, 3H, 4H}
- B** {1H, 2H, 1T, 2T}
- C** {1H, 1T, 2H, 2T, 3H, 3T, 4H, 4T}
- D** {1H, 2H, 3H, 4T}



A **sample space** consists of the numbers 1 – 5 and the colors blue, red, and green. What is the probability of getting a **2 and green**?

(d)

A $\frac{1}{3}$

B $\frac{1}{5}$

C $\frac{1}{10}$

D $\frac{1}{15}$

On a pizza, three slices have **mushrooms**, two slices have **sausage**, and three slices have **pepperoni**. What is the probability of getting a piece with **sausage**?

(b)



A $\frac{1}{2}$

B $\frac{1}{4}$

C $\frac{1}{8}$

D $\frac{3}{8}$