Name_____ Class_____ Date_____

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

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

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

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 $\frac{17}{52}$

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**

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

5

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 $\frac{3}{8}$

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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

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** $\frac{17}{52}$

B

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**

C

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

A

5

B

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, 4H}

C

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** $\frac{1}{15}$

D

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** $\frac{3}{8}$

B