Name: Score:

## 13 Multiple choice questions

Definition 1 of 13

A jar contains 10 caramels, 7 mints, and 13 dark chocolates. What is the probability of selecting 2 dark chocolates and a caramel, if you replace each after drawing it?

- 2/19
- 6/25
- 169/2700
- 13/203

Definition 2 of 13

Diane will spin this spinner. What is the probability Diane will spin a 3, then a 4? P(3,4)




- 2/3
- 1/48
- 1/36
- 1/2

Definition 3 of 13

Jennie is playing a game in which she rolls a six-sided number cube twice in a row. The cube is labeled with the numbers 1-6. What is the probability rolling a 5 or an even number on both rolls?

- 1/8
- 2/3
- 4/9
- 1/6

Definition 4 of 13

Jennie is playing a game in which she rolls a six-sided number cube twice in a row. The cube is labeled with the numbers 1-6. What is the probability of the first roll being odd, and the second roll being greater than 4? P(odd number, greater than 4)

- 1/8
- 4/9
- 1/6
- 1/2

Definition 5 of 13

Karlyn rolls a number cube twice. What is the probability of rolling an odd number on the first roll, and a number greater than 6 on the second roll? P(odd number, number >6)

- 0
- 2/3
- 1/8
- 13/203

Definition 6 of 13

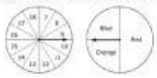
James rolls a six sided number cube three times. What is the probability James will roll an even number the first roll, and roll a number greater than 3 the second roll, and an odd number on the third roll? P(even number, number > 3, odd number)

- 1/48
- 1/6
- 4/9
- 1/8


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Definition 7 of 13

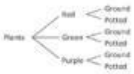
Tyler spins each spinner below one time. What is the probability of Tyler's spins landing on a 15 and on orange?



- 1/36
- 1/2
- 1/8
- 1/48

Definition 8 of 13

What is the probability of randomly selecting a potted plant out of all the plant choices below?




- 1/36
- 1/6
- 1/2
- 1/8

Definition 9 of 13

Sue will roll a number cube, labeled 1 through 6, and toss a coin. What is the probability Sue will roll a 3 or more, and her coin will land on a heads or tails?

- 4/9
- 2/3
- 1/36
- 1/8

Definition 10 of 13

An art class has 9 seventh graders and 16 eighth graders. If 2 students are randomly asked to display their work, what is the probability that a seventh grader will be chosen first and an eighth grader will be chosen second? P(seventh grader, eighth grader)

- 2/19
- 3/25
- 6/25
- 1/8

Definition 11 of 13

Jenny is getting dressed for school. She has 2 pairs of black pants, 1 pair of brown pants, and 2 pairs of blue pants in her closet. She also has 2 pink T-shirts and 3 blue T-shirts in her closet. Without looking, Jenny pulls out one pair of pants and one T-shirt from her closet. What is the probability that Jenny pulls out a pair of brown pants and a blue T-shirt?

- 3/25
- 4/9
- 1/6
- 6/25

Definition 12 of 13

A jar contains 10 caramels, 7 mints, and 13 dark chocolates. What is the probability of selecting 2 dark chocolates and a caramel, if you eat each one after drawing it?

- 169/2700
- 6/25
- 2/19
- 13/203

Definition 13 of 13

A box contains 5 yellow marbles, 8 orange marbles and 7 green marbles. If you pick two without looking and without replacing the first marble, what is the probability that one will be yellow and the other will be orange?

- 4/9
- 6/25
- 2/19
- 13/203


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