

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? $P(\text{odd number, greater than 4})$

- ☐ 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? $P(\text{odd number, number} > 6)$

- ☐ 0
- ☐ 2/3
- ☐ 1/8
- ☐ 13/203

Definition

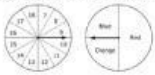
6 of 13

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? $P(\text{even number, number} > 3, \text{odd number})$

- ☐ 1/48
- ☐ 1/6
- ☐ 4/9
- ☐ 1/8

Definition

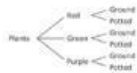
Tyler spins each spinner below one time. What is the probability of Tyler's spins landing on a 15 and on orange?



- ☐ $1/36$
- ☐ $1/2$
- ☐ $1/8$
- ☐ $1/48$

Definition

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

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

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

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

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

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?

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