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Quiz 4

1

1/1 point (graded)

You have two fair coins. If you flip a head with the first coin, what is the probability of flipping a head with the second?

 \circ 1

 \circ 0

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

 $\frac{1}{4}$

Answer

Correct: Video: Events

Submit

1 Answers are displayed within the problem

2

1/1 point (graded)

A bag has 3 red and 3 green apples. You start by randomly selecting one red apple from the bag. Which of the following has the highest probability?

- Select another red apple after replacing the first.
- Select another red apple without replacing the first.
- Select a green apple after replacing the first red apple.
- ullet Select a green apple without replacing the first red apple. $\ensuremath{\checkmark}$

Answer

Correct: Video: Probability

Submit

1 Answers are displayed within the problem

3

1/1 point (graded)

Which of the following always hold for event A?

$$P(A) \geq 0$$

$$P(A) \leq 1$$

$$lacksquare P(A) + P(A^c) = 1
lacksquare$$

$$lacksquare P(A^c) \leq 1$$



Answer

Correct:

Video: Axioms Video: Axioms Video: Axioms Video: Axioms

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1 Answers are displayed within the problem

4

1/1 point (graded)

What is the probability that a fair die lands on 1 or 2, given that you rolled a number strictly less than 4?









Answer

Correct: Video: Conditional Probability

Submit

1 Answers are displayed within the problem

5

1/1 point (graded)

There are 3 bags that each contain 100 marbles.

Bag 1 has 60 red and 40 blue.

Bag 2 has 75 red and 25 blue.

	the chosen marble is red?	d then choose a marble at rando	Jiii, Wilat is the
0.2025			
0.33			
0.50			
0.60 ✓			
Answer Correct: Video	Total Probability		
Submit			

Bag 3 has 45 red and 55 blue.

• Answers are displayed within the problem

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