WAYGROUND formerly Quizizz **Worksheets**

6/11 - Probability of Compound Events

Total questions: 14

Worksheet time: 1hrs 4mins

Instructor name: Amy Amy

Name

Class

Date

1. What is the probability of flipping a coin and landing on heads?

   a) 1/3
   b) 1/2
   c) Never, Tails never fails.
   d) 1/4

2. There are 4 blue marbles, 6 red marbles, 2 yellow marbles and 1 white marble in a bag. What is the probability of randomly choosing a yellow marble?

   a) 2/11
   b) 2/12
   c) 2/14
   d) 2/13

3. 

What is the probability of spinning an even number?

   a) 33 1/3%
   b) 50%
   c) 16 2/3%
   d) 75%

4. 

What is the probability of spinning green?

   a) 1/2
   b) 0
   c) 1/4
   d) 3/4

5. A box has 3 limes, 5 grapes, and 2 oranges.

   Find: P(NOT lime)

   a) 3/10
   b) 30%
   c) 7/10
   d) Answer Not Here

6. 
Is the following compound event independent or dependent?

   P(1 and A)

   a) Dependent
   b) Independent

LIVEWORKSHEETS

7. Determine if the following events are dependent or independent:
Anna draws a card from a bag, does not replace it and draws a card a second time..

a) Independent
b) Dependent

8. Which compound event is composed of dependent events?

a) Selecting a candy bar from a bag eating the candy bar and selecting again
b) Selecting a candy bar from a bag, deciding you don't want it, replace the candy bar and select again.

9. 
A coin is tossed and then the spinner is spun. Determine the probability that you toss heads and spin a red.

a) 1/12
b) 1/10
c) 0
d) 1/6

10. Lisa flipped the same coin 3 times. What is the probability she obtained all tails?

a) 1/2
b) 1/16
c) 1/4
d) 1/8

11. 
A coin is tossed and a six-sided die is rolled. Find the probability, P(heads and 7).

a) 0
b) 1/2
c) 1/7
d) 1/14

12. 

What is the probability of the arrow stopping on “X” on the first spin and “F” on the second spin?

a) 1/12
b) 1/6
c) 1/36
d) 1/3

13. A jar contains 4 white chips, 5 purple chips, and 1 black chip. Chips are selected randomly one at a time, and are not replaced.
Find P(purple then black)

a) 1/18
b) 4/9
c) 2/5
d) 3/7

14. 3 Cokes, 1 Sprite and 1 Dr.Pepper are left in the fridge. What is the probability of selecting a Coke, drinking it, and then selecting a Sprite?

a) 2/5
b) 3/20
c) 4/9
d) 9/20

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