Introduction to Probability

Math

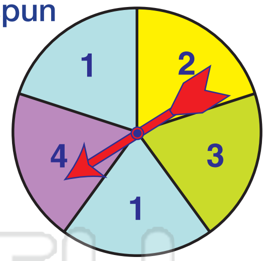
Name ______________________ Class ______________ Date __________

1 The probability that 14-year old Jill did not have a birthday last year is ______.
Circle the answer.

0 .05

.25 1

6 The spinner shown is spun 50 times. How many times will it land on 1?



10 20

15 25

2 If a die is rolled, what is the probability of a number less than 3 showing?

$\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{6}$ $\frac{3}{6}$

7 A die is rolled and a coin is flipped. What is the probability of getting a 2 or a head?

LIBERTY
IN GOD WE TRUST
2014

8% 50% 58% 67%

3 T
7
p

nts

nd W

PREVIEW

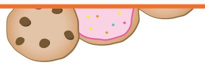
Please Sign In or Sign Up to download the printable version of this worksheet

hroom
pperoni
age

hroom
pperoni
sausage

8 9

4 T
a
J
v
t
pick a sugar cookie?



10/36 12/36 14/36 25/36

10 Make a tree diagram to show how many outcomes can be found if making an ice cream cone with the choices of vanilla, chocolate, or strawberry ice cream and a sugar, plain, or dipped cone.

5 Erika is playing a game. She picks a number from 1-5 and a color, either green or yellow. What is the sample space?

a. {1G, 2G, 3G, 4G, 5G}

b. {1G, 1Y, 2G, 2Y, 3G, 4G, 4Y, 5G, 5Y}

c. {1G, 1Y, 2G, 2Y, 3G, 3Y, 4G, 4Y, 5G, 5Y}

© Copyright NewPath Learning. All Rights Reserved. Permission is granted for the purchaser to make copies for non-commercial educational purposes only. Visit us at www.newpathworksheets.com

Introduction to Probability - Answer Key

Math

Name ______________________ Class ______________ Date __________

1 The probability that 14-year old Jill did not have a birthday last year is ______.

Circle the answer.

[✓ 0] .05

.25 1

2 If a die is rolled, what is the probability of a number less than 3 showing?

[✓ $\frac{1}{3}$] $\frac{2}{3}$ $\frac{1}{6}$ $\frac{3}{6}$

3 T

7

p

4 T

a

J

w

th probability that he will pick a sugar cookie?

10/36 [✓ 12/36] 14/36 25/36

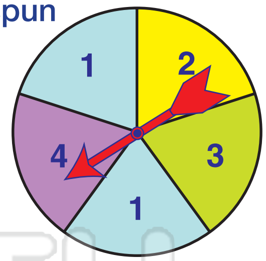
5 Erika is playing a game. She picks a number from 1-5 and a color, either green or yellow. What is the sample space?

a. {1G, 2G, 3G, 4G, 5G}

b. {1G, 1Y, 2G, 2Y, 3G, 4G, 4Y, 5G, 5Y}

[✓ c.] {1G, 1Y, 2G, 2Y, 3G, 3Y, 4G, 4Y, 5G, 5Y}

6 The spinner shown is spun 50 times. How many times will it land on 1?



10 [✓ 20]

15 25

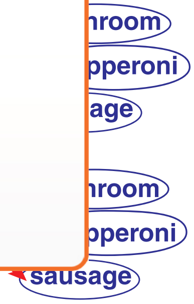
7 A die is rolled and a coin is flipped. What is the probability of getting a 2 or a head?

LIBERTY
IN GOD WE TRUST
2014

8% 50% [✓ 58%] 67%

ts

nd W



8 9

10 Make a tree diagram to show how many outcomes can be found if making an ice cream cone with the choices of vanilla, chocolate, or strawberry ice cream and a sugar, plain, or dipped cone.

There are 3 flavors and 3 cone choices for a total of 9 choices

PREVIEW

Please Sign In or Sign Up to download the printable version of this worksheet

© Copyright NewPath Learning. All Rights Reserved. Permission is granted for the purchaser to make copies for non-commercial educational purposes only. Visit us at www.newpathworksheets.com