

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Two Dice Probability

Use the stated equally likely outcomes. Give each probability as a simplified fraction.

1.

Roll two distinguishable fair six-sided dice.

A

B

1-6

How many ordered outcomes are in the sample space?

6.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of first die: even?

2.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of not (first die divides 17) and not (second die divides 17)?

7.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of product is a multiple of 1?

3.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of product = 37?

8.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of second die: even?

4.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of not (sum = 7)?

9.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of first die: even and second die: even?

5.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of not (absolute difference = 1)?

10.

Roll two distinguishable fair six-sided dice.

A

B

1-6

What is the probability of first die divides 60 and second die divides 60?