Name_____ Date 3/12/20

Chapter 10 Test B

HOMEWORK

You randomly choose one marble from the jar. Find the theoretical probability of the event.

1. Choosing a blue marble
2. Choosing a green marble
3. *Not* choosing a red marble

6 blue
4 red
2 green

You toss two dimes 24 times and record the results. Use the table to find the experimental probability of the event.

4. Tossing two tails
5. Tossing one head and one tail
6. *Not* tossing two heads
7. Tossing all heads or all tails

Outcome	Frequency
head and head	4
head and tail	15
tail and tail	5

8. A factory produces 90 pairs of designer jeans. An inspector randomly chooses 6 pairs of jeans and discovers that 1 of the pairs of jeans is defective.
   a. What is the experimental probability that a pair of jeans inspected will be defective?
   b. How many of the 90 pairs of jeans would you expect to be defective?

Use the Fundamental Counting Principle to find the total number of possible outcomes.

9.

Shirts	
Style	Short-Sleeved, Long-Sleeved, Sweatshirt
Size	Small, Medium, Large, Extra Large

10.

Sports	
Location	Gym, Park, Beach
Activity	Volleyball, Soccer, Frisbee, Flag-Football, Running, Bike Riding

You roll a number cube twice. Find the probability of the event.

11. Rolling a 4 then an even number
12. Rolling a 3 then a 3
13. Rolling a number less than 1 and then a number less than 2

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. a. _____
   b. _____
9. _____
10. _____
11. _____
12. _____
13. _____