Name_____ Date_____

Probability Review

You randomly choose one of the tiles shown below. Find the favorable outcomes of the event. DO NOT GIVE THE PROBABILITY.

1) Choosing a 8

2) Choosing a prime number

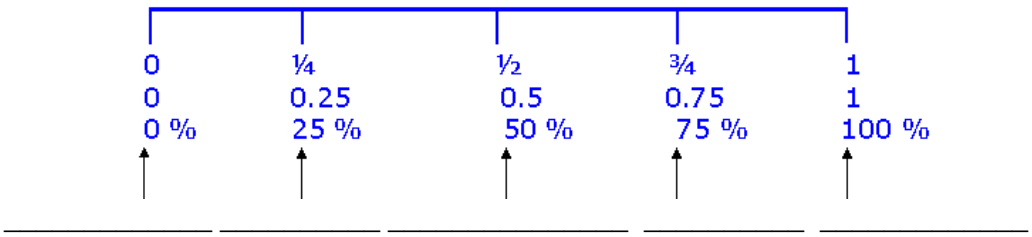
3) Choosing a number less than 4

4) Choosing an even number greater than 6

5) Choosing a number divisible by 3

6) Choosing a number greater than 7

7) What words/phrase would describe the likelihood of the following in the probability scale:



Describe the likelihood of the event given its probability.

8) The probability that it will rain tomorrow is zero. _____

9) You sneeze 27% of the time. _____

10) Your song plays on the radio $\frac{5}{6}$ of the time in the last week. _____

A bag is filled with 4 gummy bears, 3 smarties, 3 lemon drops, and 2 Snickers. You randomly choose one marble from the bag. Find the **number of ways** the event can occur.

11) Choosing a Snicker

12) Choosing a gummy bear

13) Choosing not a lemon drop

You randomly choose a pet from a petting zoo with 4 frogs, 2 goats, 3 iguanas, and 1 hawk. Find the probability of the event.

14) Choosing a frog

15) Choosing a goat

16) *Not* choosing an iguana

17) Choosing a hawk

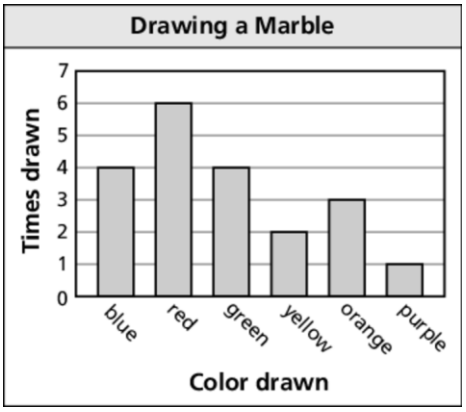
Use the bar graph to find the experimental probability of the event.

18) Drawing red

19) Drawing orange

20) Drawing *not* yellow

21) Drawing a color with more than 4 letters in its name



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

22)

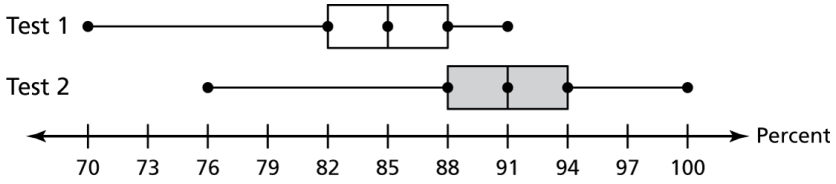
Pizza	
Sauce	Tomato, Pesto
Cheese	Mozzarella, Non-fat
Toppings	Pepperoni, Sausage, Chicken, Peppers, Mushrooms, Pineapple

23)

Wardrobe	
Top	Sweater, Tank top, T-Shirt
Bottom	Shorts, jeans, khaki, leggings
Feet	Flip-flops, running shoes, high-tops, Vans

24) There are 48 cookies in a jar. The probability of randomly choosing an oatmeal cookie from the jar is 25%. How many of the cookies are *not* oatmeal cookies?

25) The double box-and-whisker plot shows the scores of two tests.



a) List the following for Test 1:

Least: _____

Q1: _____

Median: _____

Q3: _____

Greatest: _____

b) Find the interquartile range of the students in Test 2.