Mathematics Power Standard 7:8 Post-Formative Test Name

Hour

- 1. A bag contains 50 cards numbered from 1 to 50. What is the probability of drawing a card from the bag that has a multiple of 6 on it?
 - a. 1/6
 - b. 7/50
 - c. 4/25
 - d. 1/50
- 2. A grocery store asked customers what type of pasta they prefer. Of the people surveyed, 38 prefer macaroni, 56 prefer spaghetti, 12 prefer rigatoni, and 44 prefer lasagna. If the store decided to restock its shelves with 450 boxes of pasta, how many boxes of lasagna should be ordered?
 - a. 44
 - b. 132
 - c. 112
 - d. 150
- 3. Draw a tree diagram or table to find the total number of outcomes of choosing a vowel from the word COUNTING and a consonant from the word PRIME.

4. Using the table below, how many days can Jenni wear a different outfit without repeating? Assume she only wears one outfit per day.

SHIRTS	PANTS	SHOES
Red	Black	Red
Blue	Brown	Brown
Orange	Navy	Black
Brown	White	White
Yellow	Green	Tan
Black		
Pink		
Purple		
Green		
Gray		
White		
Maroon		

5. A bag contains 5 white, 4 blue, 9 red, and 6 green marbles. If a marble is drawn at random and replaced 100 times, how many times would you expect to draw a green marble?