Math 7 CP
March 2, 2020
Trimester 2 Benchmark Review

Name _____

1. This table shows a proportional relationship between the grams of chocolate and berries in Mrs. Landseadel's famous recipe. What is the number of grams of chocolate per 1 gram of berries?

Grams of Chocolate	Grams of Berries
28	70
40	90
50	125

2. A bag contains 25 Jelly Beans. There are 8 green, 15 pink, and 2 black Jelly Beans. One jellybean is selected at random.

Determine if each statement is true or false.

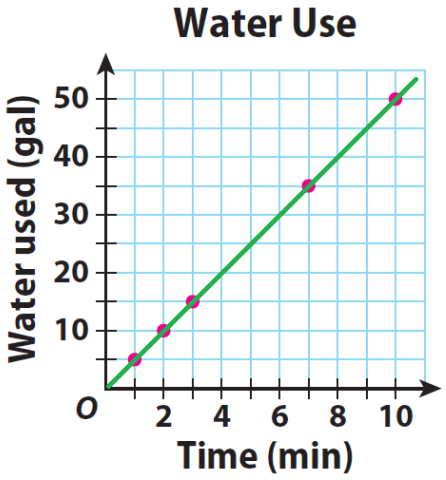
It is impossible to select a purple Jelly Bean. _____

It is unlikely that a black jelly Bean will be selected. _____

It is certain that a pink Jelly Bean will be selected. _____

It is unlikely that a green Jelly Bean will be selected. _____

3.



Find the constant of proportionality (q). Using the value for q, enter an equation in the form of $w = qt$ that represents the relationship between time (t) and the number of gallons (w) used.

4. Cameron and her friend went to Yogurt Land. Cameron got 10 oz. of frozen yogurt and it cost her $4.00. If her friend got 6 oz., how much did her friend's frozen yogurt cost?

5. Conor is planning on buying three puppies and wants to know how many boy puppies or girl puppies he will get if he chooses randomly. Create a tree diagram that shows all the possible arrangements for the puppies.

6. Use the Box and Whisker Plots to answer the following true or false questions.

a. The median for Law Salary is more than the median for Business Salary. _____

b. In each business, at least 25% of the salaries are 80 or higher. _____

c. In the Business Salary, exactly 50% of the salaries are between 70-100._____

7. Jenny bought a MacBook Air for $1200, and then re-sold it 3 years later for a 40% discount. For what price did Jenny sell her MacBook Air?

8. Select all tables that represent a proportional relationship between x and y

x	0	$\frac{1}{2}$	$\frac{3}{4}$	1
y	0	2	3	4

x	0	$\frac{1}{7}$	$\frac{2}{7}$	$\frac{3}{7}$
y	0	$\frac{1}{14}$	$\frac{2}{14}$	$\frac{3}{14}$

x	0	2	4	6
y	0	3	4	5

x	0	2	7	10
y	0	6	21	30