1st Quarter Test

Directions: You must show work on your numbered work paper. Write your letter answer beside the number. If date or class period is left blank I will take off 5 points. 1-13 is multiple choice. 14-15 is short answer or matching. Simplify your answers.

I can solve problems using long division.

1)

a. 33 b. 36.3 c. 363 d. 46.3

2) Micah has to sell 451 chocolate bars to win a trip. If each box contains 45

 chocolate bars, how many full boxes of chocolate bars did Micah sell to win the

 trip?

a. 10.1 Full boxes b. 10 Full boxes c. 12 Full boxes d. 11 Full boxes

I can add, subtract, multiply and divide decimals.

3) 127.8 + 41.6 + 2.6 =

a. 803.3 b. 172.0 c. 170.0 d. 80.38

4) At the grocery store, Quinton spent a total of $14.38. He had $29.49 in all to

spend. How much will Quinton have left over?

 a. $43.78 b. $15.11 c. $33.86 d. $13.07

5) 0.85 x 0.9

a. 0.765 b. 7.65 c. 765 d. 76.5

6) What is the area of a fountain whose rectangular base is 1.8 ft by 12.6 ft? Remember area is always measured in square units. A=l x w

a. 22.68 square ft b. 226.8 square ft c. 20.48 square ft

7) Reece has $63.65. He wants to divide this amount evenly among he and his four friends. How much money should each person get?

a. $13.13 each b. $12.73 each c. $13.73 each d. $12.63 each

I can find equivalent fractions-write a fraction that is equivalent to the following

8)$ \frac{2}{3}$

a. $\frac{1}{4}$ b. $\frac{8}{11}$ c. $\frac{5}{9}$ d. $\frac{6}{9}$

I can multiply fractions

9) $\frac{3}{7}$ x $\frac{14}{21}$

a. $\frac{2}{21}$ b. $\frac{42}{147}$ c. $\frac{2}{7}$ d. $\frac{2}{9}$

10) Johnny has four and a half times as much candy as Tyler . Tyler has $\frac{1}{7}$ of a pound of candy. How much candy does Johnny have?

a. $\frac{9}{14}$ lbs. b. $\frac{4}{7}$ lbs c. 4 $\frac{1}{14}$ lbs d. $\frac{2}{9}$ lbs

I can divide fractions.

11) $1\frac{2}{5}$ $÷ 2\frac{1}{3}$

a. 1$\frac{1}{5}$ b. $\frac{5}{3}$ c. $\frac{49}{15}$ d.$\frac{3}{5}$

12) How many $\frac{1}{5}$ teaspoon doses are in $\frac{7}{8}$ teaspoon of medicine?

a. 4 $\frac{3}{8}$ tsp doses b. $\frac{1}{5}$ tsp doses c. $\frac{7}{40}$ tsp doses d. 4 $\frac{1}{5}$ tsp doses

Short answer or matching. Write your answers on this portion of the test.

I can solve problems involving ratios. (including part to part, part to whole, whole to part or scaling-multiplying or dividing ratios to increase or decrease)

13) There are 17 goldfish in a fish tank. Eight of the goldfish have black tails and the remaining goldfish are solid orange. Write a part to part ratio to describe orange to black tail gold fish.

14) Select which of the following statements are true:

\_\_\_\_ There is one more goldfish with black tails as orange goldfish.

\_\_\_\_ $\frac{4}{7}$ of the goldfish have black tails.

\_\_\_\_ 9 goldfish are solid orange.

\_\_\_\_ $\frac{9}{8}$ of the goldfish in the fish tank are solid orange.

Bonus Question: (5 points)

What is 2 to the fourth power minus 10? You must show work.