Chapter 1, 2 and 6 Examination

Name: _____

Date: _____

Problems 1 through 5 are to be shown on a separate piece of paper following the Real World Exercise rules of showing the facts, the calculations with all units and the answer with the proper unit. You may use your notes, book and calculator.

1. The Vet Tech serves out 2 ¼ cups of food, 3 cups of food, 4 ½ cups of food, 5 $^2/_3$ cup of food, 1 ¾ cups of food and 2 $^1/_3$ cups of food to the animals from the bag. How many cups of food did the Vet tech serve?

2. A rabbit weighs 5.2 lbs and the growth chart is recorded in kilograms. Using the Unit – Factor (bracket) method, convert the rabbits weight to kilograms.

3. The vet tech is taking care of 950 mice in a college lab. Each mouse gets 0.25 fl. oz. of the vitamin solution each day. How many gallons of the solution is needed?

4. The Vet has the staff clean up the storage room. We find that we have nine bags of rabbit food. A bag of rabbit food weighs 20 pounds. One is ¾ full, three are half-full, two are 1/3 full and three are ¼ full. If we combine the rabbit food to create full bags, how many bags should we have? How many pounds of rabbit food should we have?

5. The vet tech measures three pieces of fencing in the exercise yard. One segment of fence measures 15 $^1/_3$ meters long. The second segment is 10 ¼ meters long and the third segment is 5 ½ meters long. How much fencing do we have in feet?

6. What are the names of the measurements for these abbreviations:

tsp		gal		g	
tbsp		T		in	
qt		yd		c	
G		C		fl. oz.	
pt		lb		kg	
oz		t		ft	

7. Find the equivalent

¼ G =	_____ cups	3 qts =	_____ pints	4 quarts =	_____ cups
½ gallon =	_____ cups	1 tbsp =	_____ ½ tsp	4 T =	_____ fl. oz.
3 pints =	_____ fl. oz.	32 fl. oz =	_____ pints	2 cups =	_____ pint
1 ton =	_____ pounds	2 ft =	_____ in	4 pints =	_____ gallon
1 pint =	_____ fl. oz.	2 tsp =	_____ ¼ tsp	3 tsp =	_____ tbsp
4 cups =	_____ pints	1 cup =	_____ Tbsp	8 oz =	_____ pound
12 inches =	_____ ft	8 quarts =	_____ ½ gallons	1 gallon =	_____ quarts

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8. Compute the answers to these problems:

a. $2\dfrac{3}{5} \div \dfrac{1}{4} \times \dfrac{3}{7}$

b. $\left(\dfrac{1}{4} + \dfrac{1}{3}\right) \div \dfrac{1}{2}$

c. $1\dfrac{2}{5} \times 3\dfrac{1}{4}$

d. $2\dfrac{2}{3} \div 1\dfrac{1}{3}$

e. $\dfrac{8}{9} - \dfrac{2}{3}$

f. $\dfrac{4}{5} + \dfrac{2}{3} + \dfrac{1}{10}$