

## Math for Culinary Professionals

### Chapter 1 thru 3 Review

1. Chef has a salad made of  $1 \frac{3}{4}$  cups of spinach,  $2 \frac{1}{2}$  cups of lettuce,  $\frac{1}{2}$  cup of carrots,  $\frac{3}{4}$  cup of broccoli,  $\frac{1}{4}$  cup onion, and  $\frac{1}{4}$  cup green pepper. If chef serves all of the salad to four people, what is the portion size for each?
2. Chef made 160 mini cakes for the Fourth of July picnic. 85% of the cakes were served. How many cakes were served?
3. Chef has thirty-four 7-oz steaks? What is the total weight in pounds and ounces?
4. Chef finds that the children at Kennedy Elementary school drink 6 fl. oz. of milk with breakfast and 12 fl. oz. of milk for lunch. There are 212 students in grades 1 through 3 that eat the school lunch daily. 48 students come to breakfast. The kindergarten class has 8 fl. oz. of milk for snack time and they do not have breakfast or lunch. There are 38 kindergarten students. How many gallons of milk does Chef need daily?
5. Chef added  $11 \frac{3}{4}$  cups of water,  $6 \frac{1}{4}$  pints of broth and 4 tbsp of cream to the soup. How many fluid ounces of soup does chef have? How many gallons?
6. Chef asks you to spread cream cheese on each of 320 hors d'oeuvres. Each of the hors d'oeuvre has a  $2 \frac{1}{4}$  tsp of cream cheese. How many cups of cream cheese are required?
7. Chef is making 6 trays of lasagna with 2-inch wide noodles for dinner. Chef places all of rows long ways in the 16 inch by 12-inch pan. There are seven layers of noodles. How many feet of noodles are required?
8. Chef is making hors d'oeuvres for a party of 412 guests on Friday. Each guest will get four samples on their plate. There is a cream sauce for dipping the hors d'oeuvres and chef says to plan for  $\frac{1}{2}$  tsp of sauce per item. How many pints of cream sauce should you prepare?
9. What are the abbreviations for the following:

Tablespoon		Teaspoon	
Kiloliter		Bushel	
Peck		Gram	
Cup		Inch	
Gallon		Quart	
Pint		Ounce	
Fluid Ounce		Pound	

10. Find the equivalent

1 cup = _____ fl. oz	3 tsp = _____ fl. oz	2.54 cm = _____ inches
1 kg. = _____ lbs	33.8 fl oz = _____ Liters	2000 mL = _____ Liter
1.5 pint = _____ cups	3 quarts = _____ pints	1000 mg = _____ grams
2 quarts _____ pints	6 tsp = _____ Tbsp	16 oz = _____ pounds
6 cups = _____ quarts	8 T. = _____ cups	1.0 Liters = _____ fl. oz.
1.5 gallons = _____ pecks	3 bushels = _____ pecks	1 gallon = _____ cups
2 tbsp = _____ fl.oz.	1.5 G= _____ cups	2 qts= _____ $\frac{1}{2}$ cups