

Culinary Math

Name: _____ Date: _____

Quiz 1 - Chapter 1 and 2

1. There are 11 sheet cakes that measure 30 inches long by 20 inches wide and are 2 inches tall on the edges. Chef needs $\frac{1}{8}$ inch thick green icing on the sides and top. A cup of icing applied $\frac{1}{8}$ thick spreads over 115.5 square inches of cake. How many gallons of icing do you need?
2. How much does $3\frac{3}{4}$ gallons of corn weigh? (Refer to the density chart on page 64 of the textbook)
3. Chef is making 2 inch wide lasagna noodles for dinner. Chef places all of rows long ways in the 14 inch by 10 inch pan. There are five layers of noodles. How many feet of noodles are required for 8 trays of lasagna?
4. The trimmed dark bread is 13 inch x 5.0 inch x 6.0 inches. How many 1 x 1 x 1 inch hors d'oeuvres bread cubes can we cut from the bread?
5. Chef asks you to spread finely shredded cheese on each of 240 hors d'oeuvres. Each hors d'oeuvre has a $1\frac{1}{3}$ tsp of finely shredded cheese. How many cups of finely shredded cheese are required?
6. Chef finds that the children at Washington Elementary school drink 12 fl. oz. of milk with breakfast and 16 fl. oz. of milk for lunch. The kindergarten class has 8 fl. oz. of milk for snack time. There are 235 students in grades 1 through 3 that eat the school lunch daily. There are 38 kindergarten students. How many gallons of milk does Chef need daily?
7. Chef added $15\frac{3}{4}$ cups of water, $14\frac{1}{4}$ cups of broth and 4 tbsp of cream to the soup. How many ounces of soup does chef have? How many gallons?
8. How many pounds and ounces does 16.75 pounds of steak weigh?
9. Chef needs 87.5% of gallon. How many cups, pints or quarts are needed?
10. What are the abbreviations for the following:

Tablespoon		Teaspoon	
Cup		Inch	
Gallon		Quart	
Pint		Ounce	
Fluid Ounce		Pound	
Each		Bunch	

11. Convert the following kitchen measurements:

___ cups in 4 gallons

___ quarts in 1.5 gallons

___ pints in a half gallon

___ ounces in a pound

___ Tbsp in 3 fl. oz.

___ gallons in a 2 pecks

___ pecks in a bushel

___ fl. oz. in a cup

___ fl. oz. in a gallon

___ $\frac{1}{2}$ tsp in 2 Tbsp