

# Math for Culinary Professionals

## Chapter 1 thru 3 Review 2

- How much does 20 cups of all-purpose flour weigh? The density of all-purpose flour is 4 oz / cup.
- Chef has the staff clean up the storage room. We find that we have 6 bags of rice. The rice is in 12 lb bags. Two are  $\frac{3}{4}$  full, two are half full, one is  $\frac{1}{3}$  full and one is  $\frac{1}{4}$  full. If we combine the rice, how many bags should we have? How many pounds of rice should we have?
- We add 3 quarts of water, 7 cups of broth, 2 pints of cream and 3 tbsp of lemon to the soup. How many fluid ounces of soup does chef have?
- Chef served pastries for the morning meal and there are 25% of the pastries left over. If we made 760 pastries, how many were served?
- Chef has 12 bags of potatoes that weigh 20 lbs 9 oz each. How many pounds of potatoes do we have in pounds decimal?
- The wedding party plans on having 3 toasts. There are 215 people at the event and each glass holds  $4\frac{1}{2}$  fluid ounces. How many gallons of wine punch will we need?
- There are 12 sheet cakes that measure 23 inches long by 11 inches wide and are  $2\frac{1}{2}$  inches tall on the edges. Chef needs  $\frac{1}{8}$  inch thick orange 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?
- Chef asks you to spread honey flavored butter on 250 hors d'oeuvres. Each hors d'oeuvre has  $2\frac{1}{4}$  tsp of the honey flavored spread. How many cups of honey flavored spread are required?
- The turkey and dressing recipe serves 16 and we plan on making  $\frac{1}{4}$  of the recipe. How many people will our plan serve?
- The following abbreviations mean what measurement?

tsp  
kg  
qt  
G  
pt  
Oz  
Bu


t  
T  
ml  
C  
lb  
Fl. Oz.  
tbsp


- Find the equivalent

_____ pints in 3 gallons	_____ tsp in a fluid ounce
_____ cups in 2 pints	_____ cups in 3 quarts
_____ fluid oz. in 2 cups	_____ gallons in 2 bushels
_____ $\frac{1}{2}$ tsp in 3 tbsp	_____ fluid oz. in a tbsp
_____ pecks in 1 bushel	_____ pints in 2 quarts
_____ fluid oz. in a gallon	_____ ounces in 2 lbs
_____ ounces in a pound	_____ $\frac{1}{2}$ cups in a pint
_____ pints in a half gallon	_____ quarts in 3 gallons
_____ tbsp in 4 tsp	_____ tbsp in a cup
_____ bushels in 4 gallons	_____ half gallons in a peck