

Chapter 4 Supplemental Notes ProStart 1

Conversion Factor (247-248) – So you have a recipe for 50 and you need only 42 servings. This is the time for the conversion factor. It allows you to convert the amounts in a recipe quickly and easily using a formula.

The Conversion Factor:

1. Divide the desired yield (how many servings you want) by the original yield (how many servings the recipe makes as written). This operation gives you the conversion factor.
2. Multiply each ingredient by the conversion factor.
3. This gives you the amount needed to “convert” the recipe to the new size.

You should convert the new amounts to familiar and easy to use amounts. The textbook gives this example, $\frac{6}{4}$ cups of flour should be converted to $1\frac{1}{2}$ cups of flour 12 tablespoons of brown sugar should be converted to $\frac{3}{4}$ cup.

Costing a Recipe (258-259)

Write down the steps in recipe costing below.

1. Know
2. Then multiply
3. And add
4. Divide

The end result of this process is the _____
_____.

Figuring percentages (240)

Percentages are parts _____ parts _____.

How do you convert a fraction to a decimal?

To determine the percent of a given number, first convert any fractions to decimals. Then multiply the given number by the decimal percentage.

An example: What is $\frac{2}{3}$ of 58?

Convert $\frac{2}{3}$ to a decimal. $2 \div 3 = .66$ or 66 percent.

Multiply the given number by the decimal equivalent. $58 * .66 = 38.28$.

66 percent of 58 is 38.28.

Celsius and Fahrenheit conversions (244)

What is the formula for converting Fahrenheit to Celsius?

What is the formula for converting Celsius to Fahrenheit?

At what temperature does water boil and freeze in F and in C? (244)

How do you convert ounces to pounds?

As Purchased versus Edible Portion (254-257) You should read these pages completely. Then write down the information needed below.

P. 256 To determine how much of an item is needed to yield an AP amount

How would you reverse this process to calculate how much EP (trimmed) product comes from an AP (untrimmed) amount?

Percent Yield (254-257) What is a percentage yield?
