Kitchen Measurements (Page 1 of 2)

Are you surprised that math is used in the kitchen? Chefs need to measure ingredients to make sure their recipes come out tasting right and are the same each time. There are different units of measurements for liquid and dry ingredients. There are also different measuring systems depending on where you are in the world - U.S. (also called "standard") and metric. Use the table below as a reference to help you in your kitchen measurements.

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Weight: the heaviness, or downward force on an object caused by gravity

Weight Measurement Abbreviations

g = gram

lb = pound

oz = ounce (weight)

Volume: the amount of 3-dimensional space something occupies, or the amount an object can hold

Volume Measurement Abbreviations

mL = milliliter

L = liter

fl oz = fluid ounce

gal = gallon

tsp = teaspoon

Tbsp = tablespoon

qt = quart

pt = pint

Cooking Measurements

U.S.-to-Metric System

Cooking Equivalents

1 tbsp = 3 tsp

1/16 cup = 1 Tbsp

1/8 cup = 2 Tbsp

1/6 cup = 2 Tbsp + 2 tsp

1/4 cup = 4 Tbsp

1/3 cup = 5 Tbsp + 1 tsp

3/8 cup = 6 Tbsp

1/2 cup = 8 Tbsp

2/3 cup = 10 Tbsp + 2 tsp

3/4 cup = 12 Tbsp

1 cup = 16 Tbsp

1 cup = 48 tsp

1 cup = 8 oz

2 cups = 1 pt

2 pt = 1 qt

4 cups = 1 qt

4 at = 1 aal

16 oz = 1 lb

Metric System to U.S.

Converting Fluids

1 mL = 1/5 tsp

5 mL = 1 tsp

15 mL = 1 Tbsp30 mL = 1 fl oz

47 mL = 1/5 cup100 mL = 3.4 fl oz

237 mL = 1 cup

474 mL = 2 cups

.95 L = 4 cups

3.8 L = 4 qt (1 gal)

1 L = 34 fl oz

1 L = 4.2 cups

1 L = 2.1 pt

1 L = 1.06 qt1 L = .26 gal

Converting Weight

1 g = .035 oz

100 g = 3.5 oz

500 g = 1.10 lb

1 kg = 2.205 lb

1 kg = 35 oz

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U.S.-to-Metric System

Converting Fluids

1/5 tsp = 1 mL

1 tsp = 5 mL

4 qt (1 gal) = 3.8 L

1 Tbsp = 15 mL1 fl oz = 30 mL1/5 cup = 50 mL1 cup = 240 mL2 cups (1 pt) = 470 mL4 cups (1 qt) = .95 L

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U.S.-to-Metric System Converting Weight

1 oz = 28 a

1 lb = 454 g



Kitchen Measurements (Page 2 of 2) LESSON THANDOUT 1

Name:	Date:
Most moderately active 10- to 11-year olds need:	What counts as 1 cup of fruits or vegetables?
Fruit: 11/2 cups per day Vegetables: 21	• small bowl (8-oz) of veggies • 2 cups of raw leafy greens
*Remember!	• 8-oz glass of 100% fruit juice • small bowl (8-oz) of fruit
The amount of fruits and vegetables you need each day is determined by your ag gender, height, weight, and how active you are.	• ½ cup of dried fruit
Use measuring tools to test your kitcher	n math skills:
-	1 cup looks like. Put a cup of beans on a plate. Then, put 1 cup of beans in a paring it to a familiar object:
Is there a difference between what a liquid	"cup" and a dry "cup" look like?
3) Measure out following, then convert the d	aily recommended amounts to milliliters:
1½ cups fruit/day = mL	
2½ cups vegetables/day =	_ mL
Convert the following measurements:	
4) 15½-oz can of beans = cu	ps 7) 2½ cups of chopped tomatoes = oz
5) 8-oz of pasta = cups	8) 32-oz of green beans = lb
6) 1½ cups of fruit = Tbs	POMATO PINEAPPLE CHUNKS
Find three measurements on a food or be to convert to another unit.	peverage package
9)	=
10)	=