## LESSON 7 HANDOUT 1

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．


๑อค囚囚囚ดด
Volume：the amount of 3－dimensional space something occupies，or the amount an object can hold

Volume Measurement
Abbreviations
$\mathrm{mL}=$ milliliter
$\mathrm{L}=$ liter
fl oz＝fluid ounce
gal＝gallon
tsp＝teaspoon
Tbsp＝tablespoon
qt $=$ quart
pt $=$ pint


USDA United States Department of Agriculture

Name: $\qquad$ Date: $\qquad$

## Most moderately active

10- to 11-year olds need:
Fruit: $11 / 2$ cups per day Vegetables: $21 / 2$ cups per day*

## *Remember!

The amount of fruits and vegetables you need each day is determined by your age, gender, height, weight, and how active you are.

What counts as 1 cup of fruits or vegetables?

- small bowl ( $8-\mathrm{oz}$ ) of veggies
- 2 cups of raw leafy greens
- 8-oz glass of $100 \%$ fruit juice
- small bowl (8-oz) of fruit
- $1 / 2$ cup of dried fruit




## Use measuring tools to test your kitchen math skills:

1) Measure 1 cup of dry beans to see what 1 cup looks like. Put a cup of beans on a plate. Then, put 1 cup of beans in a bowl. Describe the size of a cup by comparing it to a familiar object: $\qquad$
2) Measure 1 cup of water and pour it into a drinking glass.

Is there a difference between what a liquid "cup" and a dry "cup" look like? $\qquad$
3) Measure out following, then convert the daily recommended amounts to milliliters: $\qquad$
$11 / 2$ cups fruit/day = $\qquad$ mL
$21 / 2$ cups vegetables/day = $\qquad$ mL

## Convert the following measurements:

4) $151 / 2$-oz can of beans $=$ $\qquad$ cups
5) $21 / 2$ cups of chopped tomatoes $=$ $\qquad$ oz
6) 8 -oz of pasta $=$ $\qquad$ cups
7) $32-$ oz of green beans = $\qquad$ lb
8) $11 / 2$ cups of fruit $=$ $\qquad$ Tbsp

Find three measurements on a food or beverage package to convert to another unit.

9) $\qquad$ = $\qquad$
10) $\qquad$ $=$ $\qquad$
11) $\qquad$ $=$ $\qquad$

