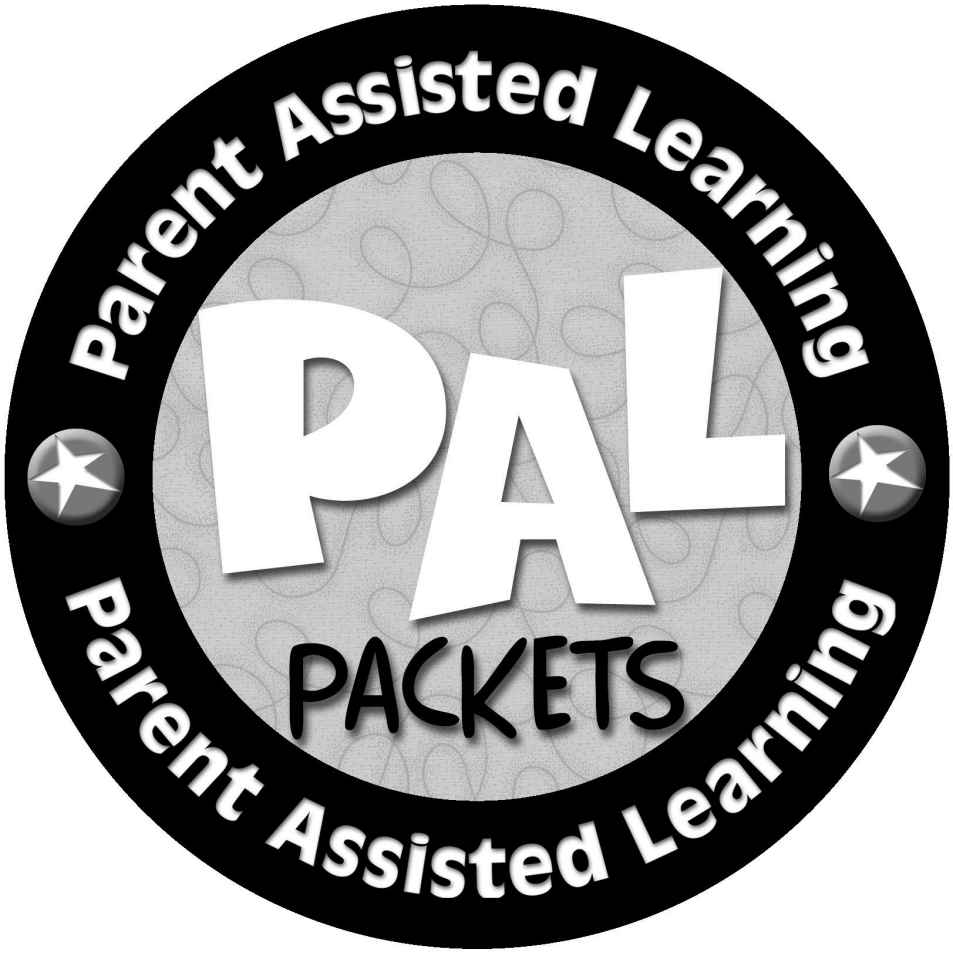


Mathematics
Grade 4
Relate Units to Real-Life Objects

Parent Assisted Learning

Dear Parent or Guardian:

Your child is currently learning how to relate units of measure from the standard and metric systems to real-life objects. Here is your chance to help your child practice this important skill.

In this PAL Packet you will find a short activity for you and your child to do. Please do the activity and The Back Page this evening. Then sign your name on The Back Page and have your child return it tomorrow.

Remember, parents are a child's first teacher. Thank you for your time and energy in making learning fun and exciting for your child.

Sincerely,

_____

Your child's teacher

USING STANDARD AND METRIC UNITS OF MEASURE

Parent Pointer —

Being able to determine which unit of measure to use from each measurement system is a useful tool. The standard measurement system is the system we use in the United States. Even though the metric system is used in other countries, you may find that items you purchase at the grocery store are labeled in both standard units and metric units. For example, a quart of cream may have the liter amount listed on the carton.

Math In the Home, On the Go, and For the Fun of It —

DIRECTIONS: Review what you know with your parent or guardian by reading through the *Units of Measure* reference sheets for the standard and metric systems. As you read, think about some other everyday objects that have the same measure as the ones listed on the pages. Then, on the *What's Your Measure?* page, work with your parent or guardian to match each object with its correct unit of measure. Then, think about what unit of measure you would use to measure some of the objects in your apartment or house.

Talk About It —

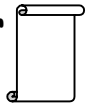
After you have finished the activity, turn to The Back Page to show what you know.

Now go have some fun with the activity! ☛

Units of Measure

Standard system (U.S.)

Length

Inch		Diameter of a quarter
Foot	12 inches	Length of paper 
Yard	3 feet	Height of a desk 
Mile	5,280 feet	Distance to the grocery store 

Capacity

Cup		Glass of water
Pint	2 cups	Very small container of milk 
Quart	4 cups	Small container of orange juice
Gallon	4 quarts/16 cups	Container of milk 

Weight/Mass

Ounce		Slice of bread
Pound	16 ounces	Loaf of bread 
Ton	2,000 pounds	Weight of a small truck 

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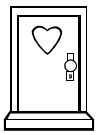
Units of Measure

Metric system (other countries)

Length

Millimeter		Width of a point on a pencil
Centimeter	10 millimeters	Width of a fingernail 
Meter	100 centimeters	Width of a door 
Kilometer	1,000 meters	Distance to the grocery store 

Capacity

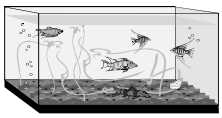
Milliliter		Full amount of liquid in an eye dropper = 3 ml
Liter	1,000 milliliters	2 liters = 1 container of soda pop

Weight/Mass

Gram		Weight of a paperclip 
Kilogram	1,000 grams	Weight of a textbook 

What's Your Measure?

Think about which unit of measure you would use to measure the objects on the left. Match the object on the left with the correct unit of measure on the right by drawing a line.

Length of an 	**Ounces**
Length of a 	**Millimeters**
Capacity of 	**Kilograms**
Weight of a 	**Gallons**
Capacity of a 	**Inches**
Length of a 	**Meters**

In the blanks, write names of objects that you see around your apartment or house that you think can be measured using the units of measure given. For example, a **pencil** can be measured using **centimeters**.

Meter(s)_____

Pound(s)_____

Inch(es)_____

Gallon(s)_____

Cup(s)_____

The Back Page

Talk About It

Parent — Ask your child the following question:

- ✓ What units of measure do you notice are similar between the standard and metric systems?

Student — Answer the above question in a complete sentence on the bottom of this page.

OR

Do one of the following activities (use the back side of this page if needed):

- ✓ Show your answer to the above question in a drawing.
- ✓ Cut out pictures from the newspaper, a magazine, or catalogs and label each picture with the units of measure you would use from the standard and metric systems.

_____ _____

Student's Name Parent or Guardian's Signature

