



Dear Family,

Our class is starting a new unit in math called Measurement. Students will use standard and metric units to measure length, mass, and time. Students will also use formulas for finding the area and the perimeter of a rectangle, recognize and measure angles, and make and interpret line plots.

At the end of Unit 7, students will be able to:

- Convert larger units to smaller units in the same system of measurement.

Measurement units of...	Convert from larger units to smaller units in the same system...
length	yards to feet, feet to inches kilometers to meters, meters to centimeters
mass	kilograms to grams
weight	pounds to ounces
time	hours to minutes
capacity	gallons to quarts, quarts to pints, pints to cups, cups to ounces

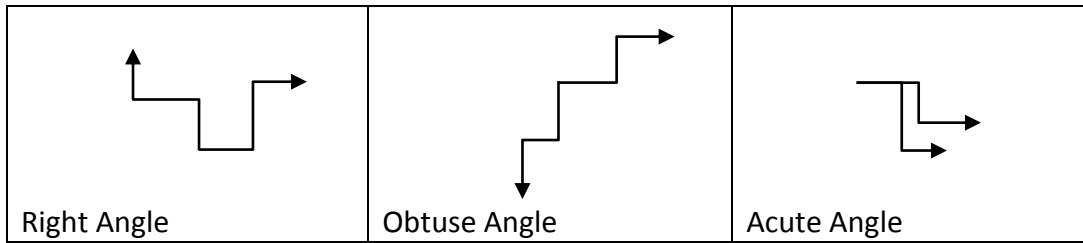
- Solve problems involving distances (metric and customary), intervals of time, liquid volumes, masses of objects, and money.
- Solve measurement problems that include simple fractions and decimals.
- Used a protractor to measure and sketch angles.
- Interpret data displayed on line plots in order to solve problems.
- Understand and apply the area and perimeter formulas for rectangles in real world and mathematical problems

At home, you can look for opportunities to measure the length and distance. Point out the period of time that different household tasks take. If your child shops with you, have them look for the weight of items in the grocery store or have him/her weigh produce. Also, challenge your child to convert larger units to smaller units. For example, a gallon is the same as four quarts, and each quart has two pints, so one gallon is the same liquid volume as eight pints.

Each student should be able to answer/solve questions like the following:

- Using toothpicks have students create different types of angles and measure the angles using their knowledge of how the angles of a circle can be used as a reference point.

Example:



- Students can use the ridges in a paper plate to help them identify and measure angles.



In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. It is important that children solve math problems in ways that make sense to them. At home, encourage your child to explain the math thinking that supports those solutions and show you the strategies that he/she uses to solve math problems.

Sincerely,