MATH PARENT GUIDE – UNIT 7

IMPORTANT CONCEPTS YOUR STUDENT SHOULD KNOW AND ACTIVITIES TO DO AT HOME

MEASUREMENT

"I Can" Help My Student

- I can decompose rectilinear figures into non-overlapping squares and rectangles to find the total area of the rectilinear figure.
- I can describe the relative sizes of measurement units (e.g., km, m, cm; kg, g; lb, oz; L, mL; hr, min, sec).
- I can represent a larger unit as a multiple of smaller units within the same system of measurement
- I can use the four operations to solve word problems including distance, time, volume, mass, and money.
- I can represent measurements using diagrams.
- I can explain the formulas for area and perimeter, and use them to solve problems.
- I can create a line plot with given data set of measurement using fractions as a unit, and use it to solve problems.

KEY WORDS TO KNOW

measure: unit specified by a scale, such as an inch, or a system of measurement, such as the metric system.

metric: the base-ten measuring system based on the meter, liter, and gram as units of length, capacity, and mass.

customary: the system of measurement commonly used in the United States. Common units are: (length) inches, feet, yards, and miles;

(weight) ounces, pounds, and tons; (capacity) ounces, cups, pints, quarts, and gallons.

convert (conversion): to express (a quantity) in alternative units – i.e., 12 feet = 4 yards.

distance: the property created by the space between two objects or points.

line plot: a line plot shows the spread of data; each piece of data is represented by an "X."

perimeter: distance around a figure; measured in units.

area: number of square units needed to cover the inside of a plane; measured in square units.

elapsed time: the amount of time that passes between two points in time.

What should my student already know before beginning this unit?

- ✓ Able to tell and write time to the nearest minute, and solve addition and subtraction problems involving time intervals.
- ✓ Able to measure and estimate liquid volumes and masses of objects, and solve one-step word problems with this information.
- ✓ Use a ruler to measure to the nearest half-inch and fourth-inch.
- ✓ Recognize the area of a shape and understand that a square with a side length of "1 unit" is called the "unit square."



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