

## Quarter 2 – Sixth Grade Math Syllabus

Our goals for second quarter are the Illinois Standard Goals - measurement and algebra. Students will be learning the following math topics:

- Use formulas to find the area and perimeter of triangles, parallelograms, irregular shapes, polygons and figures with 2 or more shapes put together.
- Understand measurement using a ruler in U.S. customary and the metric system
- Fill in a missing number from a given pattern and write an algebraic rule that will explain the pattern. (Example: function tables)
- Solve algebra problems using up to 2 variables.
- Write equations and inequalities. (Example:  $2x \leq 6$ )
- Solve word problems involving unknown amounts.

Parents can do the following activities to improve the skills on the above topics:

- Ask your child to see their math binder, and take a look at what they are working on in class.
- Review worksheets from your child's binder and give them practice problems.
- Review your child's math vocabulary and quiz them on various terms. (Vocabulary: area, perimeter, variables, dimensions, algebraic expression, inequality, function table, equation, evaluate, solution, diameter, radius, integer)
- Have your child figure out the area and perimeter of various objects such as their bedroom, their yard, or a simple object such as a book.
- Ask your child to take a ruler or tape measure and measure any object at home in inches and in centimeters.
- Ask your child to combine two of the above topics: measure the length and width of a room and then find the area and perimeter.
- When traveling, ask your child to figure out how many miles per gallon and keep track of the mileage the entire trip.