# MATH NEWS

### Fourth Grade Newsletter

# Math Tips for Families

#### Throughout this unit, students will continue their understanding of geometry. Students will be working with shapes and angles, measuring and sketching angles with a protractor, and identifying angles as right, obtuse, or acute. They will gain knowledge of angles as additives, and use that information to find unknown angles in real-world problems. Thy will use visualization to recognize and name figures (they observe, build, take apart) and work with to see how they are alike and different. Next, they will analyze the shapes. Classes of shapes are studied by attribute and students

apply understandings to all in this category and will identify and classify by their types of lines, angles, and lines of symmetry.

Parallel Lines- always the same distance apart

Perpendicular Lines- form right angles where they intersect



Look for real world examples like this double yellow line.



Intersecting Lines- lines that intersect but do not form right angles



# Summer/Fall

## Unit 3: Geometry

#### Words to Know:

**Point**- an exact position or location on a plane surface **Ray**- a line that starts at a point and goes off in a particular direction without end

**Angle**- two rays that share an endpoint

**Right angle**- an angle that measures exactly 90 degrees **Obtuse angle**- measuring more than 90 degrees but less than 180 degrees **Acute angle**- an angle that measures less than 90 degrees

Attributes- sides, angles, shape, size of figures Classify- put things in groups based on a property Symmetry- an object is symmetrical when one half is a mirror image of the other half Scalene triangle- a triangle with none of the sides the same length Isosceles triangle- a triangle with two equal sides

Equilateral triangle- a triangle with three equal sides Right triangle- has 1 right angle and 2 acute angles Obtuse triangle- has 1 obtuse angle and 2 acute angles Acute triangle- has 3 acute angles

