Math Expectations for Kindergarten

Young children arrive in kindergarten with widely varying knowledge in math. By the end of the year, your child must have some important foundations in place. One of the most important skills your child should develop is the ability to add and subtract small numbers and use addition and subtraction to solve word problems. This will rely on gaining some fundamentals early in the year, such as counting objects to tell how many there are. Addition and subtraction will continue to be a very strong focus in math through 2nd grade.

Counting and Cardinality

By the end of Kindergarten your student should be able to:

- ✓ Count to 100 by ones
- ✓ Count to 100 by tens
- ✓ Count forward from any number
- ✓ Write numbers from 0 – 20 and show their amounts with counters
- ✓ Say one number for each object they count
- ✓ Count objects and match them to a number
- ✓ Count how many objects are in a group from 1 – 20
- ✓ Tell if one group of objects is more than, less than, or equal to another group of objects
- ✓ Tell if a number is more than, less than, or equal to another number

Geometry

By the end of Kindergarten your student should be able to:

- ✓ Find and name shapes in the environment
- ✓ Tell the position of an object (above, below, beside, in front of, behind, next to)
- ✓ Tell the name of a square, circle, triangle, rectangle, hexagon, cube, cone, cylinder, and sphere.
- ✓ Tell if a shape is a flat or a solid
- ✓ Look at flat and solid shapes and tell how they are alike and different
- ✓ Make shapes using other objects
- ✓ Draw shapes
- ✓ Put shapes together to make larger shapes

Measurement and Data

By the end of Kindergarten your student should be able to:

- ✓ Tell different ways to measure an object
- ✓ Tell things about an object that can be measured (e.g. length, volume, weight)
- ✓ Tell about how two objects are the same or different in size
- ✓ Sort objects into groups and count them

Number Operations in Base Ten

By the end of Kindergarten your student should be able to:

- ✓ Name the tens place and the ones place in numbers 11 – 19
- ✓ Show that numbers 11 – 19, are made up of a group of tens and ones

Operations and Algebraic Thinking

By the end of Kindergarten your student should be able to:

- ✓ Add and subtract
- ✓ Solve word problems with adding and subtracting up to ten
- ✓ Show different ways to make numbers 0 – 10
- ✓ Tell how many more objects it would take to make ten
- ✓ Quickly add and subtract 0 – 5