

NAME _____

DATE _____

Kindergarten Math Skills & Concepts Continuum

Explanation of Color Coding

Pink: Just beginning to utilize this skill or concept

Green: Developing an understanding of this skill or concept

Yellow: Proficient with this skill or concept

FALL	WINTER	SPRING
Counting Skills		
Counts by 1's to 10 with 1-to-1 correspondence.	Counts by 1's to 20 with 1-to-1 correspondence.	Counts by 1's to 30 with 1-to-1 correspondence. Counts by 2's to 10. Counts by 5's to 50 or more. Counts by 10's to 100.
Number & Numeration		
Quickly recognizes groups of items 1–5 without counting every item. Reads, writes, and understands numbers to 10.	Recognizes sets of 10–20 without counting every item one by one. Reads, writes, and understands numbers to 20.	Recognizes sets of 10–30 without counting every item one by one. Reads, writes, and understands numbers to 30.
Picture/Word Problems		
Able to work with manipulatives and dramatic play to interpret and solve addition and subtraction problems to 6.	Solves simple addition, subtraction, multiplication, and division problems with drawings and/or numbers.	Solves simple addition, subtraction, multiplication, and division problems with drawings and/or numbers and explains solutions. Able to create and pose simple picture/word problems.
Algebraic Thinking		
Identifies, copies, extends, and creates repeating patterns.	Discovers a variety of relationships such as: weather changes, sets which grow by one, sets in relation to 5's and 10's.	Discovers relationships between sets and number sentences. Discovers patterns on a counting-to-40 chart. Discovers growing patterns: 1 frog, 2 eyes; 2 frogs, 4 eyes; etc.
Geometry—Shape Identification & Classification		
Recognizes and names: triangle, circle, square, rectangle.	Classifies 2-dimensional shapes (triangles, circles, squares, rectangles) by some common attributes (shape, size, number of sides and corners, equal/unequal sides, etc.).	
Geometry—Shape Construction		
Builds 2- and 3-dimensional shape constructions with pattern blocks and polydrons.	Finds a variety of ways to fill given shapes with pattern blocks. Able to construct given shapes on a geoboard.	Works from a "building plan" to construct 3-dimensional polydron figures.
Measurement		
	Measures length and width with nonstandard units.	Home Connections: Has completed activities which measure and compare weight and capacity.
Time		
Names the days of the week.	Recognizes the relationships of yesterday, today, and tomorrow.	Recognizes and sorts events that commonly occur in the morning, afternoon, and evening. Begins to tell time to the hour.

