

# MATH

	Standard	Key: I- Introduced M-Met Standard		
	Mathematics	3K	4K	5K
Demonstrates an understanding of number concepts.	Arranges sets of concrete objects in one-to-one correspondence	I	I	M
	Counts up to 4 items and demonstrates understanding that the last count indicates how many items were counted	I	I	M
	Counts concrete objects to five or higher	I	M	M
	Count by one to 10 or higher	M	M	M
	Counts to 30	I	M	M
	Counts to 100		I	M
	Arranges numerals 1-5 in consecutive order	I	M	M
	Demonstrates proper use of the word "first."		I	M
	Compares the number of concrete objects using language (same, more, equal, less...)		I	M
	Names how many in a group of 3 (or more) objects without counting		I	M
	Demonstrates understanding that adding one or more concrete objects to a set will increase the number of objects in the set.		I	M
	Demonstrates understanding that when counting, the items can be chosen in any order. (left to right; right to left; top to bottom; bottom to top; etc....)			M
	Recognizes and describes the concept of zero ( the empty set)	I	I	M
	Recognizes numerals 0-10	I	I	M
	Recognizes numerals 0-30	I	I	M
Demonstrates understanding and recognition of numerals.	Demonstrates part and whole with real objects	I	I	M
	Identifies first and last in a series		I	M
	Combines, separates and names "how many" concrete objects		I	M
	Shows awareness of time. Describes daily schedule by telling what happens next in the day.	I	M	M
	Demonstrates the numbers are used in daily life (calendar, time, money, temperature...)	I	I	M
	Knows age	I	M	M
	Writes numerals 0-30		I	M
	Solves simple addition problems			I
	Solves simple subtraction problems			I
	Identifies penny, nickel, dime, quarter, and dollar.		I	M
	Gives value of each coin		I	M
Tells time to the hour			I	

	<b>Patterns</b>	<b>3K</b>	<b>4K</b>	<b>5K</b>
Creates patterns by extending and comparing.	Imitates pattern sounds and physical movements (i.e. clap, stomp)	I	M	M
	Recognizes and uses objects to reproduce simple patterns of different colors, shapes, sizes	I	I	M
	Predicts what comes next in a pattern		I	M
	Recognizes patterns in their environment ( day follows night, patterns in carpet or clothing, repeated phrases in storybooks)		I	M
	Repeats & extends pattern of 2-3 items	I	I	M
	<b>Geometry and Spatial Sense</b>	<b>3K</b>	<b>4K</b>	<b>5K</b>
Recognizes and manipulates basic shapes.	Recognizes, describes and names basic shapes (circle, triangle, square, heart, star)	I	M	M
	Recognizes, describes and names shapes (diamond, rhombus, oval, hexagon, octagon, pentagon, rectangle, cross)		I	M
	Uses words that indicate placement (beside, inside, around, under, top, bottom, between...)	I	I	M
Recognizes spatial relationships.	Recognizes when a shape's position or orientation has changed		I	M
	Investigates and predicts the results of putting together two or more shapes		I	M
	Completes puzzles up to 10 pieces	I	M	M
	Completes puzzles 11 + pieces		I	M
	Reads and interprets a graph		I	M
	Identifies fractions as equal parts of a whole, 1/2		I	M
	<b>Measurement</b>	<b>3K</b>	<b>4K</b>	<b>5K</b>
Demonstrates understanding of the concepts of measurement	Covers an area with shapes ( i.e. tiles)		I	M
	Demonstrates understanding that weights of objects can vary and be compared.		I	M
	Fills a shape with solids or liquids (measuring cup, ice cube tray)		I	M
	Makes size comparisons between objects (taller than, smaller than)		I	M
	Uses tools to imitate measuring		I	M
	Categorizes time intervals and use language associated with time in everyday situation (i.e. in the morning, after snack)		I	M
	Orders two to three objects by size (seriation)	I	M	M
	Measures to the nearest inch		I	M