

K_Math_Quarter 3

Mathematics			
<i>Essential Skill Component</i>	<i>Standard</i>	<i>Mathematical Practices</i>	<i>Quarterly Focus</i>
Mathematical Reasoning			
Applies strategies to show mathematical thinking		1-Make sense of problems and persevere in solving them 2-Reason abstractly and quantitatively 3-Construct viable arguments and critique the reasoning of others 4-Model with mathematics 5-Use appropriate tools strategically 6-Attend to precision 7-Look for and make use of structure 8-Look for and express regularity in repeated reasoning	1. Works hard to solve a problem and asks does this make sense? 2. Knows numbers represents quantity 3. Explains to answer the how? and why? 4. Uses manipulatives, drawings, and/or acting out to represent problems in everyday life. 5. Uses manipulatives as tools to solve problems. 6. Develops mathematical communication skills using age-appropriate vocabulary. 7. Breaks complicated things into simple. 8. Notices repetition in patterns, counting, and computations.
Counting and Cardinality			
Counts aloud by 1's and 10's	K.CC.1 K.CC.2	K.MP.5 K.MP.6 K.MP.7 K.MP.8	*Practices the counting sequence aloud. *Focus on 0-75. *Count by 10's to 100. *Counts from a given number in the 1-20 range. *Counts backwards with numbers from 1-10.
Sequences numbers	K.CC.2	K.MP.5 K.MP.6 K.MP.7 K.MP.8	*Demonstrates an understanding and applies the concept of sequencing numbers. Focus on 0-20.
Writes numbers in order	K.CC.3	K.MP.5	*Writes numerals in order Focus on 0-20.
Recognizes and names numbers	K.CC.3	K.MP.5 K.MP.6	*Identifies and name numerals. Focus on 0-20.
Counts to tell the number of objects	K.CC.3 K.CC.4a K.CC. 4b K.CC.4c K.CC.5	K.MP.3 K.MP.5 K.MP.6 K.MP.8	*Counts objects accurately in a line or scattered using one to one correspondence. (how many?) *Demonstrates an understanding that the last number name said tells the number of objects. *Demonstrates an understanding that a number represents an amount of object by matching a numeral from 0-20 with a set. Focus on 0-20.

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Compares sets of objects to tell more, less or equal	K.CC.6 K.CC.7	K.MP.2 K.MP.3 K.MP.5 K.MP.6	*Compares two groups and explain which is greater than, less than, and/or equal to the other. using the symbols = < >. *Compares groups using numerals.
Operations and Algebraic Thinking			
Applies knowledge of addition	K.OA.1 K.OA.2 K.OA.3 K.OA.4 K.OA.5	K.MP.1 K.MP.2 K.MP.3 K.MP.4 K.MP.5 K.MP.6 K.MP.7 K.MP.8	*Represents addition with objects, fingers, mental images, drawings, and acting out. *Begins to use equations with addition problems. *Begins to solve addition word problems with use of manipulatives and drawings. *Participates in activities that demonstrates understanding of how to make 10 from a given number. Taking a number from 0-10 and thinking of it as two parts, showing your problem using both numerals and objects. Focus on addition within 10. Problems involve action. Vocab: strategy, addition, solve, number sentence/ equation, decompose
Applies knowledge of subtraction	K.OA.1 K.OA.2 K.OA.5	K.MP.1 K.MP.2 K.MP.3 K.MP.4 K.MP.5 K.MP.6 K.MP.7 K.MP.8	*Represents subtraction with objects, fingers, mental images, drawings, and acting out. *Begins to use equations with subtraction problems. *Begins to solve addition word problems with use of manipulatives and drawings. Focus on subtraction within 10. Problems involve action. Vocab: strategy, solve, number sentence / equation, subtraction
Number Sense and Operations in Base Ten			
Works with numbers 11-19 to demonstrate place value	K.NBT.1	K.MP.1 K.MP.2 K.MP.3 K.MP.5 K.MP.6 K.MP.7 K.MP.8	*Composes and decomposes numbers 11-19 into ten ones and some more ones by using objects or drawings. *Begins to record composition or decomposition with drawings, manipulatives, number bonds or equations.
Measurement and Data			
Classifies objects and counts the number in each category	K.MD.3	K.MP.1 K.MP.5	*Sorts objects into self selected categories. *Describes and compares categories using more, less, and equal (such as organizing on a graph). Vocab: more, less, equal, compare

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Describes and compares measurable attributes (e.g., height, weight, length)	K.MD.1 K.MD.2	K.MP.1 K.MP.5 K.MP.6 K.MP.7	Uses measurement words such as short-long, heavy-light, tall-short. Vocab: more, less, compare, weight, height, length, measure
Geometry			
Identifies, compares and describes 2D shapes (circle, rectangle, triangle, square, hexagon)	K.G.1 K.G.2 K.G.3 K.G.6	K.MP.3 K.MP.5 K.MP.6	Ongoing from quarter 2. *Identifies shapes as two-dimensional (flat) or three-dimensional (solid).
Identifies, compares and describes 3D shapes (sphere, cylinder, cube, cone)	K.G.1 K.G.2 K.G.3 K.G.5 K.G.6	K.MP.3 K.MP.5	*Describes 3-D shapes or objects using positional words such as in front of, behind, next to, above, below, and beside. *Identifies 3-D shapes regardless of their orientation or size. *Makes 3-D shapes out of other objects. *Identifies shapes as two-dimensional (flat) or three-dimensional (solid) Vocab: three-dimensional shape, sphere, cube, cone, cylinder, points, side