

Grade Level	Standards					
	Counting and Cardinality	Operations and Algebraic Thinking	Numbers and Operations in Base Ten	Measurement and Data	Geometry	Number and Operations - Fractions
Pre K						
K	*Know number names and count sequence *Count to tell the number of objects *Compare numbers	*Understand composing and decomposing numbers	*Work with numbers 11-19 to gain foundations for place value	*Describe and compare measurable attributes *Classify objects and count the number of objects in categories	*Identify and describe shapes *Analyze, compare, create, and compose shapes	
1	Learn how to count sequentially to 100. Learn to tell the number that comes before of after a given number out of sequence.		Learn to group by 10's and fluidly exchange within 100. Learn to count by 10's without a 0 in the ones place. Group and exchange base 10 blocks for the purpose of adding and subtracting.	Learn to compare objects by analyzing shorter and longer. Learn to use everyday objects to measure in the real-world to understand the purpose of measurement. Learn to record and analyze data for the purpose of drawing conclusions and answering questions.	Learn shape attributes and how to discriminate between shapes through creation of 2D and 3D shapes	7
2		Add and subtract within 20. Create equal groups of objects.	Understand place value: be able to identify tens, ones, and hundreds. Understand place value to help understand ho to add and subtract.	Measure and estimate lengths in standard units (inches, feet, centimeters). Tell time to the hour and half hour. Identify nickel, penny, dime, and quarter. Be able to count coins and make change. Understand graphs and tables.	Identify 2D and 3D shapes and describe their attributes.	
3		Understand the relationship between multiplication and division and solve multiplication and division problems within 100	Use place value and properties of operations to do multi-digit arithmetic	Solve time, liquid volume, and mass problems Represent and interpret data Understand concepts of area and perimeter	Reason about shapes and their characteristics	Develop understanding of fractions (visually identifying fractions/make simple equivalent fractions)

4		Use addition, subtraction, multiplication, and division to solve problems	Use place value and properties of operations to do multi-digit arithmetic Generalize place value understanding for multi-digit whole numbers	Convert larger units to smaller units Represent and interpret data Understand concepts of angles and measure angles	Draw and identify lines and angles and classify shapes by properties of their lines and angles	Find equivalent fractions order fractions from smallest to biggest or biggest to smallest, create fractions with an understanding of operations on whole numbers, understand decimal notation for fractions and compare decimal fractions
5		Be able write and explain a number sentences.	Understand the place value system Perform operations with multi digits and decimals to hundreths	*Understand concepts of volume and relate volume to multiplications and addition *Interpret Data	Plot points on an X-axis and Y-axis. Identify 2-dimensional shapes.	*Use equivalent fractions as a strategy to add and subtract fractions. *Apply and extend previous understandings of multiplication and division to multiply and divide fractions

Grade Level	Standards					
	Ratios and Proportional Relationships	The Number System	Expressions and Equations	Geometry	Statistics and Probability	Functions
6	<ul style="list-style-type: none"> Understand ratios as comparisons of two numbers. Understand equivalence 	<ul style="list-style-type: none"> Understand fractions and decimals as numbers that can be located on the number line, compared, 	<ul style="list-style-type: none"> Understand why two expressions are equivalent. Understand operational 	<ul style="list-style-type: none"> Understand area and perimeter as a measure. Understand area and 	<ul style="list-style-type: none"> Understand and use the process of statistical investigation. Distinguish data and data 	

	of fractions and ratios, and use equivalence to solve problems.	counted, partitioned, and decomposed.	algorithms for fractions, decimals, and percents. <ul style="list-style-type: none"> Understand that variables can represent unknown values and equations to represent relationships. 	perimeter of parallelograms and triangles. <ul style="list-style-type: none"> Understand the surface area and volume of a three-dimensional shape. 	types. <ul style="list-style-type: none"> Understand the role of multiple representations of data distributions. Understand that a single number may be used to characterize the center of a distribution of data and the degree of variability (or spread). 	
7	Analyze proportional relationships and use them to solve real word math problems	Extend operations with fractions to add, subtract, multiply and divide	Use operations to generate equal expressions Real-life math problems using algebraic expressions and equation	Draw, construct and describe geometrical figures Real-life math problems involving angles, area and volume	Random sampling to draw inferences Comparative inferences about two populations Develop, use, and evaluate probability models	
8		Know numbers are rational and irrational	Work with radical and integers exponents proportional relationships, linear relationships Solve Linear relationships	Congruence and Similarity Pythagorean Theorem Volume of Cylinders, cones and spheres	Investigate patterns of association	Define, evaluate and compare functions Use functions to model relationships between quantities
Algebra						