Computations and Algebraic Relationships

TEK	Kindergarten	Quarters Taught	TEK	First Grade	Quarters Taught	TEK	Second Grade	Quarters Taught	TEK	THIRD GRADE	Quarters Taught	TEK	FOURTH GRADE	Quarters Taught	TEK	FIFTH GRADE	Quarter Taught
K.2 B	Read, write, and represent whole numbers from 0 to at least 20 with and without objects or pictures		1.3(B)	Use objects and pictorial models to solve word problems involving joining, separating, and comparing sets within 20 and unknowns as any one of the terms in the problem such as 2 + 4 = [ ]; 3 = [ ] + 7; and 5 = [ ] - 3	2,	2.1 C	To select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems	1,2,3,4	3.2A	Compose and decompose numbers up to 100,000 as a sum of so many ten thousands, so many thousands, so many hundreds, so many tens, and so many ones using objects, pictorial models, and numbers including expanded notation as appropriate.		4.2B	Represent the value of digits in whole numbers through one billion and decimals to the hundredths using expanded notation and numerals.	1	5.3B	Multiply with fluency a three-digit number by a two-digit number using the standard algorithm. S	
K.2 A	Count forward and backward to at least 20 with and without objects	1,2,3,4	1.3(C)	Compose 10 with two or more addends with and without concrete objects	2	2.2 D	Use place value to compare and order whole numbers up to 1200 using comparative language, numbers and symbols	1	3.4A	Solve with fluency one-step and two-step problems involving addition and subtraction within 1,000 using strategies based on place value, properties of operations, and the relationship between addition and subtraction.	1 & 2	4.3D	Compare two fractions with different numerators and different denominators and represent the comparison using the symbols < > and =.	3	5.3C	Solve with proficiency for quotients of up to a four-digit dividend by a two-digit divisor using strategies and the standard algorithm.	
K.2 I	Decompose numbers up to 10	1	1.3(D)	Explain strategies used to solve addition and subtraction problems up to 20 using spoken words, objects, pictorial models, and number sentences	1,2	2.4 A	Recall basic facts to add and subtract within 20 with automaticity;	1,2,3,4	3.4K	Solve one-step and two-step problems involving multiplication and division within 100 using strategies based on objects; pictorial models, including arrays, area models, and equal groups; properties of operations; or recall of facts.		4.4H	Solve with fluency one and two step problems involving multiplication and division including interpreting remainders.	3	5.3K	Add and subtract positive rational numbers fluently.	
K.5 A	Recite numbers up to at least 100 by ones and tens, beginning with any given number	1,2,3,4	1.5(E)	Understand that the equal sign represents a relationship where expressions on each side of the equal sign represent the same value(s);	1,2	2.4 C	Solve one-step and multi-step word problems involving addition and subtraction within 1,000 using a variety of strategies based on place value, including algorithms;	2,3,4	3.3H	Compare two fractions having the same numerator or denominator in problems by reasoning about their sizes and justifying the conclusion using symbols, words, objects, and pictorial models.	2,3,4	4.5D	Solve problems related to perimeter and area of rectangles where dimensions are whole numbers.	2	5.3H	Represent and solve addition and subtraction of fractions with unequal denominations referring to the same whole using objects and pictorial models and properties of operations	1
K.3 A	Model the action of joining to represent addition and the action of separating to represent subtraction S	3	1.2 B	Use concrete and pictorial models to compose and decompose numbers up to 120 in more than one way as so many hundreds, so many tens, and so many ones;	1							4.4A	Add and subtract whole numbers and decimals to the hundredths place using the standard algorithm	1	5.3G	Solve for quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using strategies and algorithms including the standard algorithm.	1
K.3 B	Solve word problems using objects and drawings to find sums up to 10 and differences within 10 R	3	1.2 C	Use objects, pictures, and expanded and standard forms to represent numbers up to 120;	1											coordinate plane maybe add	1,2,3
			1.2 E	Use place value to compare whole numbers up to 120 using comparative language;	1												
			1.5 D	Represent word problems involving addition and subtraction of whole numbers up to 20 using concrete and pictorial models and number sentences;	1,2,4												