

## Math Content Standards K - 2

Operations and Algebraic Thinking		
<p>Kindergarten: Understands the concepts of addition (joining) and subtraction (separating). Solve addition and subtraction word problems within 10.</p>	<p>1<sup>st</sup> Grade: Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, comparing, with unknown positions in all problems AND using a symbol for the unknown number. Solve word problems that call for addition of 3 whole numbers whose sum is less than or equal to 20. This includes word problems.</p>	<p>2<sup>nd</sup> Grade: Use addition and subtraction within 100 to solve one and two step word problems.</p>
Decompose numbers less than or equal to 10 in more than one way.		
For any number from 1 – 9, find the number that makes 10 when added to the given number.		
Fluently add and subtract within 5.	Add and subtract within 20, demonstrating fluency for addition and subtraction within 10.	By the end of 2 <sup>nd</sup> grade, know from memory all sums of two, 1 digit numbers.
	Apply properties of operations as strategies to add and subtract.	
	Understand the meaning of the = sign and determine if equations are true or false.	
Numbers and Operations – Base Ten		
<p>Kindergarten: Compose and decompose numbers from 11 – 19 into ten ones and some further ones.</p>	<p>1<sup>st</sup> Grade: Decompose numbers to 100 by ones, tens, and hundreds. Compare two, 2 digit numbers based on meanings of the tens and ones and use the symbols <math>&gt;</math>, <math>&lt;</math>, and <math>=</math>.</p>	<p>2<sup>nd</sup> Grade: Decompose numbers up to 999 into ones, tens, and hundreds. Compare two, 3 digit numbers based on place value, using <math>&gt;</math>, <math>&lt;</math>, and <math>=</math>.</p>
	<p>Add within 100, including adding a 2 digit number and a 1 digit number; and adding a 2 digit number and a multiple of 10. Understand that when adding 2 digit numbers, it may involve composing a ten.</p>	<p>Fluently add and subtract within 100. Add up to four, 2 digit numbers using strategies based on place value and properties of operations. Add and subtract within 1000, understanding that it may be necessary to compose or decompose tens and hundreds. Mentally add or subtract 10 or 100 to a number less than 900.</p>

Counting and Cardinality		
Kindergarten: Count to 100 by ones and tens. Count forward from a given number (other than 1). Understand that successive numbers refers to a quantity that is 1 larger. Count to answer "How many?" Identify whether a group of objects is greater than, less than, or equal to objects in another group. Compare numbers between 1 and 10 when presented as written numerals.	1 <sup>st</sup> Grade: <i>This standard is in Operations and Algebraic Thinking:</i> Count to 120, starting at any number less than 120. Read and write numbers with a written numeral.	2 <sup>nd</sup> Grade: