


## First Grade Math Curriculum

Month	Content	Skills	Assessments	Resources	Standards
August	Chapter 1 – Number Concepts Through 20	<ul style="list-style-type: none"> <li>compare sets of objects</li> <li>identify, count, and write numbers through 0- 20</li> <li>order and compare numbers through 20</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 1 Test</li> </ul>	<ul style="list-style-type: none"> <li>modeling one-to-one matching with cubes in two colors (TE pg. 7)</li> <li>math journal – write a number from 0-20, illustrate to show that number (TE pg. 16)</li> <li>dot to dot worksheets with numbers through 20</li> <li>Guess the Number on the number line from 0-20 (less/greater than)</li> </ul>	<p>1.A.2.1. (Comprehension) Use the concepts and language of more, less, and equal (greater than and less than) to compare numbers and sets (0 to 20).</p> <p>1.N.1.1. (Comprehension) Read, write, count, and order numerals to 50.</p> <p>1.A.2.1. (Comprehension) Use the concepts and language of more, less, and equal (greater than and less than) to compare numbers and sets (0 to 20).</p>
September	Chapter 2 – Addition Concepts Through 8	<ul style="list-style-type: none"> <li>model the concept of addition as increasing through 8</li> <li>use the Order Property of Addition through 8</li> <li>solve addition sentences in vertical and horizontal form with numbers through 8 using mathematical symbols</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 2 Test</li> </ul>	<ul style="list-style-type: none"> <li>modeling addition with dried beans and paper cups (TE pg. 38)</li> <li>identifying and writing sums through 8 using dominoes/connecting cubes (TE pg. 45/46/47/49)</li> </ul>	<p>1.N.1.2. (Knowledge) Use unit fraction models to create parts of a whole.</p> <p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p>

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Month	Content	Skills	Assessments	Resources	Standards
September	Chapter 3 – Subtraction Concepts Through 8	<ul style="list-style-type: none"> <li>model the concept of subtraction as take away from 8 or less</li> <li>solve subtraction sentences in vertical and horizontal form with numbers through 8 using mathematical symbols</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 3 Test</li> </ul>	<ul style="list-style-type: none"> <li>math journal – draw a picture using numbers 8 or less and writing a subtraction sentence to go with the picture (TE pg. 68)</li> <li>use number cards to model subtraction (TE pg.76)</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.N.3.1. (Application) Solve addition and subtraction problems up to 20 in context.</p>
October	Chapter 4 – Data and Graphing	<ul style="list-style-type: none"> <li>conduct and record a survey using tally marks</li> <li>make, read, and interpret a pictograph</li> <li>make, read, and interpret a bar graph</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 4 Test</li> <li>Quarter Time Test</li> <li>Star Math</li> </ul>	<ul style="list-style-type: none"> <li>tally birthdays on a chart (TE pg.87A)</li> <li>math journal – count how many windows and doors are in your classroom using pictures and words to explain the graph (TE pg. 92)</li> <li>color in a square representing the number of letters in each students name and record information from the bar graph in their math journal</li> </ul>	<p>1.S.1.1. (Application) Display data in simple picture graphs with units of one and bar graphs with intervals of one.</p> <p>1.S.1.2. (Comprehension) Answer questions from organized data.</p>

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Month	Content	Skills	Assessments	Resources	Standards
October	Chapter 5 - Addition and Subtraction Facts Through 10	<ul style="list-style-type: none"> <li>• count on to add facts to 10</li> <li>• use a number line to count on to add facts to 10</li> <li>• use doubles to add doubles up to the sum of 10</li> <li>• use doubles to add doubles plus one up to the sum of 10</li> <li>• use different strategies to add</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 5 Test</li> </ul>	<ul style="list-style-type: none"> <li>• modeling counting on using number cards 1 through 20 (TE pg. 125)</li> <li>• math journal - draw 0 to 10 number line and student shows how to find the sums to 10 using the number line (TE pg. 128)</li> <li>• using fingers for doubles (TE pg. 130)</li> <li>• using fingers for doubles plus one (TE pg. 130)</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <div style="text-align: center;">  </div>
October	Chapter 6 – Subtraction Strategies through 10	<ul style="list-style-type: none"> <li>• count back to subtract facts to 10</li> <li>• use a number line and count back to subtract</li> <li>• write fact families and write and solve related addition and subtraction facts</li> <li>• solve problems by choosing the correct operation</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 6 Test</li> </ul>	<ul style="list-style-type: none"> <li>• draw a picture that shows how you can count back to subtract (TE pg. 146)</li> <li>• using a number line to count back (TE pg.148)</li> <li>• problem of the day with fact families (TE pg 155 A)</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.A.2.2. (Application) Solve open addition and subtraction sentences with one unknown (<math>\square</math>) using numbers equal to or less than 10.</p> <p>1.N.3.1. (Application) Solve addition and subtraction problems up to 20 in context.</p>

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Month	Content	Skills	Assessments	Resources	Standards
November	Chapter 7 - Plane and Solid Shapes	<ul style="list-style-type: none"> <li>classify and sort objects</li> <li>identify, describe, sort and classify plane shapes</li> <li>identify, describe, sort and classify solid shapes</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 7 Test</li> </ul>	<ul style="list-style-type: none"> <li>sort books by size and classify by subject (TE pg.184)</li> <li>identifying plane shapes from a bag (TE pg. 185)</li> <li>identify solid shapes in the classroom orally</li> </ul>	<p>1.G.1.1. (Comprehension) Describe characteristics of plane figures.</p> <p>1.G.1.2. (Comprehension) Sort basic three-dimensional figures.</p>
November	Chapter 8 – Spatial Sense and Patterns	<ul style="list-style-type: none"> <li>use position words (near, far, up, down, below, beside)</li> <li>find locations on a grid</li> <li>identify slides, flips, and turns</li> <li>describe, extend, predict, and create geometric patterns</li> <li>identify symmetry in shapes</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 8 Test</li> </ul>	<ul style="list-style-type: none"> <li>play Simon Says using positional words (TE pg. 207)</li> <li>finding counters on a grid (TE pg 212)</li> <li>trace puzzle pieces and flip the piece, turn it and slide it tracing the puzzle piece each time (TE pg. 215B)</li> <li>use geometric shapes to create , describe, predict and extend patterns</li> </ul>	<p>1.G.2.1. (Comprehension) Describe proximity of objects in space.</p> <p>1.G.2.1. (Comprehension) Describe proximity of objects in space.</p> <p>1.A.4.1. (Comprehension) Identify and extend repeating patterns containing multiple elements using objects and pictures.</p>

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Month	Content	Skills	Assessments	Resources	Standards
December	Chapter 9 – Fractions and Probability	<ul style="list-style-type: none"> <li>identify and count equal parts</li> <li>identify halves, fourths, thirds of a whole</li> <li>identify and represent halves, fourths, and thirds of a set</li> <li>predict and determine the probability of an event</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 9 Test</li> </ul>	<ul style="list-style-type: none"> <li>math journal - draw a shape to show equal parts (TE pg. 238)</li> <li>model and identify halves, fourths, thirds of a whole with paper squares (TE pg. 241)</li> <li>math journal – draw and identify shapes then color the fractional part (TE pg.242)</li> </ul>	<p>1.N.1.2. (Knowledge) Use unit fraction models to create parts of a whole.</p> <p>1.N.1.2. (Knowledge) Use unit fraction models to create parts of a whole.</p> <p>1.N.1.2. (Knowledge) Use unit fraction models to create parts of a whole.</p> <p>1.S.2.1. (Comprehension) Recognize whether the outcome of a simple event is possible or impossible.</p>
December	Chapter 10 – Place Value to 100	<ul style="list-style-type: none"> <li>identify, model, read, and write number through 100, including representing numbers in different ways</li> <li>regroup objects into tens and ones, write and identify the place value of numbers through 99</li> <li>use models and place value to solve problems</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 10 Test</li> </ul>	<ul style="list-style-type: none"> <li>math journal – write a number between 21 and 99 draw a picture to show the number of tens and ones (TE pg. 282)</li> <li>What number am I? (TE pg. 288)</li> </ul>	<p>1.N.1.1. (Comprehension) Read, write, count, and order numerals to 50.</p> <p>1.N.1.1. (Comprehension) Read, write, count, and order numerals to 50.</p> <p>1.N.1.1. (Comprehension) Read, write, count, and order numerals to 50.</p>
January	Chapter 11 – Order and Compare Number	<ul style="list-style-type: none"> <li>order and compare numbers through 100 using words and symbols</li> <li>identify ordinal numbers 1<sup>st</sup> through 10<sup>th</sup></li> <li>estimate using groups of 10</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 11 Test</li> <li>Quarter Time Test</li> </ul>	<ul style="list-style-type: none"> <li>Guess the Number on the number line 0 through 100 (before/between/after)</li> <li>Role play by setting up chairs to be a bus</li> </ul>	<p>1.A.2.1. (Comprehension) Use the concepts and language of more, less, and equal (greater than and less than) to compare numbers and sets (0 to 20).</p> <p>1.N.1.1. (Comprehension) Read, write, count, and order numerals to 50.</p>

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Month	Content	Skills	Assessments	Resources	Standards
January	Chapter 12 – Number Pattern	<ul style="list-style-type: none"> <li>• skip count by 2's , 5's and 10's to 100</li> <li>• identify the number that is 1 or 10 more/less</li> <li>• identify even or odd numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 12 Test</li> </ul>	<ul style="list-style-type: none"> <li>• use 100 charts and color in the 2's,5's and 10's to 100</li> <li>• math journal – write an number that is greater than 1 or 10 more/less</li> <li>•</li> </ul>	<p>1.A.4.1. (Comprehension) Identify and extend repeating patterns containing multiple elements using objects and pictures.</p> <p>1.N.1.1. (Comprehension) Read, write, count, and order numerals to 50.</p> <p>1.A.2.1. (Comprehension) Use the concepts and language of more, less, and equal (greater than and less than) to compare numbers and sets (0 to 20).</p>
January	Chapter 13 – Time and Calendar	<ul style="list-style-type: none"> <li>• order events, compare time and determine elapsed time</li> <li>• tell and show time to hour and half hour using analog and digital clocks</li> <li>• read and use a calendar</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 13 Test</li> </ul>	<ul style="list-style-type: none"> <li>• sequence events in chronological order and describe</li> <li>• show time to the hour and half hour using demonstration clocks (TE pg. 364/365)</li> </ul>	<p>1.M.1.1. (Knowledge) Tell time to the half-hour using analog and digital clocks and order a sequence of events with respect to time.</p> <p>1.M.1.2. (Application) Find a date on the calendar.</p>
February	Chapter 14 – Using Money	<ul style="list-style-type: none"> <li>• identify coins, including penny, nickel and dime</li> <li>• find the value of a group of coins including pennies, nickels, dimes, and quarters, and show different ways to make the same amount</li> <li>• recognize and use data from a picture to solve a problem</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 14 Test</li> </ul>	<ul style="list-style-type: none"> <li>• coin rubbing and then write down the coin value</li> <li>• using different coins to make the sum of a dollar and place in baggies (bank trip)</li> </ul>	<p>1.M.1.3. (Application) Use different combinations of pennies, nickels, and dimes to represent money amounts to 25 cents.</p> <p>1.M.1.3. (Application) Use different combinations of pennies, nickels, and dimes to represent money amounts to 25 cents.</p>

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February	Chapter 15 – Addition Facts Through 12	<ul style="list-style-type: none"> <li>use a number line and count on to add, facts to 12</li> <li>use a ten frame to make sums of 10 and 11</li> <li>find the sum of three numbers</li> <li>find missing addends</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 15 Test</li> </ul>	<ul style="list-style-type: none"> <li>math journal – write or draw how to find the sum of facts to 12</li> <li>using length to find sums of 10 and 11 with cubes (TE pg. 432)</li> <li>using 3 different color cubes to find the sum</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.N.3.1. (Application) Solve addition and subtraction problems up to 20 in context.</p> <p>1.A.2.2. (Application) Solve open addition and subtraction sentences with one unknown (<math>\square</math>) using numbers equal to or less than 10.</p>
March	Chapter 16 – Subtraction Facts Through 12	<ul style="list-style-type: none"> <li>use a number line and count back to subtract, facts to 12</li> <li>subtract from 11 or less, 12 or less</li> <li>relate addition and subtraction facts to 12 using fact families</li> <li>identify different names for the same number through 12</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 16 Test</li> <li>Quarter Time Test</li> </ul>	<ul style="list-style-type: none"> <li>math journal – write a subtraction story problem with the number 12 (TE pg. 458)</li> <li>practice finding how many are missing (TE pg. 458)</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.A.2.2. (Application) Solve open addition and subtraction sentences with one unknown (<math>\square</math>) using numbers equal to or less than 10.</p> <p>1.A.2.2. (Application) Solve open addition and subtraction sentences with one unknown (<math>\square</math>) using numbers equal to or less than 10.</p>

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March	Chapter 17 – Length and Weight	<ul style="list-style-type: none"> <li>compare, order, estimate and measure length in nonstandard units, inches and identify appropriate measuring tools</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 17 Test</li> </ul>	<ul style="list-style-type: none"> <li>measure objects in the classroom with standard and nonstandard units of measurement</li> </ul>	<p>1.M.1.5. (Knowledge) Identify appropriate measuring tools for length, weight, capacity, and temperature.</p>
March	Chapter 18 – Capacity and Temperature	<ul style="list-style-type: none"> <li>compare and order by capacity</li> <li>compare the capacity of cups, pints, and quarts</li> <li>understand temperature; hot and cold and identify appropriate measuring tools</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 18 Test</li> </ul>	<ul style="list-style-type: none"> <li>ordering capacity using containers, sand or rice (TE pg. 524)</li> <li>math journal – draw juice box or milk carton and something that can hold more than that and label it (TE pg. 524)</li> <li>use a thermometer to read and record two different water temperature</li> </ul>	<p>1.M.1.6. (Comprehension) Compare and order concrete objects by temperature and capacity.</p> <p>1.M.1.6. (Comprehension) Compare and order concrete objects by temperature and capacity.</p> <p>1.M.1.5. (Knowledge) Identify appropriate measuring tools for length, weight, capacity, and temperature.</p>
April	Chapter 19 – Addition Facts Through 20	<ul style="list-style-type: none"> <li>add numbers 1 – 10 to the number 10</li> <li>using strategies to make 10 to find sums through 20</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 19 Test</li> </ul>	<ul style="list-style-type: none"> <li>math journal – draw a group of counters or cubes to show <math>10 +</math> numbers 1-10 (TE pg. 560)</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p> <p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies.</p>
April	Chapter 20 – Subtraction Facts Through 20	<ul style="list-style-type: none"> <li>subtract from 13 through 20</li> </ul>	<ul style="list-style-type: none"> <li>Chapter 20 Test</li> </ul>	<ul style="list-style-type: none"> <li>Math workbook/resource pages Chapter 20</li> </ul>	<p>1.N.2.1. (Application) Solve addition and subtraction problems with numbers 0 to 20 written in horizontal and vertical formats using a variety of strategies</p>



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May	Chapter 21 – Adding Two – Digit Numbers	<ul style="list-style-type: none"> <li>• use mental math and basic facts to add ten</li>   <li>• add 1-digit and 2-digit numbers, no regrouping</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 21 Test</li> <li>• Quarter Time Test</li> <li>• Star Math</li> </ul>	<ul style="list-style-type: none"> <li>• play Around the World</li> </ul>	
May	Chapter 22 – Subtracting Two-Digit Numbers	<ul style="list-style-type: none"> <li>• use mental math and basic facts to subtract tens</li>   <li>• subtract 1-digit and 2-digit numbers, no regrouping</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter 22 Test</li> </ul>	<ul style="list-style-type: none"> <li>• play Around the World</li> </ul>	