






## MATH - 1st






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August 2015

Content	Skills	Assessment	Resources
<p>A. Exploring numbers</p> <p>A1. Addition Stories</p> <p>A2. Model Addition: part-part-whole/ Number bonds</p> <p>A3. Adding Zero</p> <p>A4. Ways to make 4-10</p> <p><b>**Note:</b> This map was created based on the table of contents of the new math series. Extend time when needed for your own class.</p>	 <p>A1. Use a pictures to create addition stories.</p>  <p>A2. Add two parts to make a whole.</p>  <p>A3. Write addition number sentences,</p>  <p>A4. Find sums by adding zero.</p>  <p>A5. Use counters to find sums of problems 4-10.</p>		<p>MyMath Chapter 1: Addition Concepts</p> <p>Apps:</p> <p>10 frame fill</p> <p>number rack</p> <p>number line (frog picture)</p> <p>montessori counting board</p> <p>doctor panda</p> <p>1, 2, 3 tracing lite</p> <p>moose math</p> <p>Problem Solving Library: Healthful Snacks</p>

September 2015

Content	Skills	Assessment	Resources
<p>A. Exploring numbers</p> <p>A1. Addition Stories</p> <p>A2. Model Addition: part-part-whole/ Number bonds</p> <p>A3. Adding Zero</p> <p>A4. Ways to make 4-10</p>	 <p>A1. Use a pictures to create addition stories.</p>  <p>A2. Add two parts to make a whole.</p>  <p>A3. Write addition number sentences,</p>  <p>A4. Find sums by adding zero.</p>  <p>A5. Use counters to find sums of problems 4-10.</p>	<p>Chapter and Vocabulary Test</p> <p>Fact Fluency</p> <p>Oral Counting to 50</p>	<p>MyMath Chapter 1: Addition Concepts</p> <p>Apps:</p> <p>10 frame fill</p> <p>number rack</p> <p>number line (frog picture)</p> <p>montessori counting board</p> <p>doctor panda</p> <p>1, 2, 3 tracing lite</p> <p>moose math</p> <p>Problem Solving Library: Healthful Snacks</p>

October 2015

Content	Skills	Assessment	Resources
<p>A. Intro to Subtraction</p> <p>A1. Sub. stories</p> <p>A2. Model Subtraction</p> <p>A3. Subtraction Number Sentences</p> <p>A4. Subtract Zero and All</p> <p>A5. Compare Groups</p> <p>A6. Subtract from 4-10</p> <p>A7. Relate Addition and Subtraction</p> <p>B. Addition Strategies to 20</p>	 <p>A1: Use models to represent and solve subtraction situations.</p>  <p>A2. Subtract parts from a whole.</p>  <p>A3. Write subtraction number sentences.</p>  <p>A4. Subtract zero/find a difference of zero.</p>  <p>A5. Compare groups of up to 9 objects.</p>	<p>Quarter 1 Assessment (test on material taught Aug-Oct):</p> <p>OA.A.1.</p> <p>Solve problems involving addition and subtraction within 10</p> <p>OA.B.3</p>	<p>MyMath Chapters 2: Subtraction Concepts</p> <p>My Math Chapter 3: Addition Strategies to 20</p> <p>Apps:</p> <p>AUM addition</p> <p>Mathmateer</p> <p>Splash Math</p> <p>Math Animations</p> <p>Math Bingo</p> <p>Domino Math</p> <p>MAD Addition</p>

<p>B1. Counting on 1,2,3                  B2. Number Line                  B3. Doubles                  B4. Near doubles                  B5. PSS: Aciting it Out                  B6. Make 10                  B7. Add in any order                  B8. Add 3 numbers</p>	<p> A6. Subtract numbers from 4-10.   A7. Create related addition and subtraction facts.</p>	<p>Apply properties of operations to add and subtract (commutative property)                  OA.B.4                  Understand the relationship between addition and subtraction                  OA.C.5                  Add and subtract within 10                  OA.C.6                  Use strategies to add and subtract (counting on and number line)                  OA.D.7                  Understand the meaning of the equal sign                  OA.D.8                  Find missing addend                  NBT.A.1                  Count up to 50 (meets=50, progressing=31-49, needs improvement=30 and below)</p>	<p>Math Drills Lite                  Banana Math                  Concentration                  Top-It                  Problem Solving Library (Ch.2): What Do They Eat                  Problem Solving Library (Ch. 3): Double the Number</p>
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November 2015



















Content	Skills	Assessment	Resources
<p>A. Continue Addition Strategies from October                  B. Subtraction Strategies to 20                  B1. Count back 1,2,3                  B2. Number Line                  B3. Doubles                  B4. PSS: Number sentence                  B5. Make 10                  B6. Related facts to add/subtract                  B7. Fact Families                  B8. Missing Addends</p>	<p> B1. Count on from the greater number to find sum.   B2. Use a number line to help find the sum.   B3. Use doubles to find sum.   B4. Use near doubles to find sum.   B5. Act out to solve problems.   B6. Use counters and a ten frame to make sums greater than 10.   B7. Identify related addition facts using commutative property.   B8. Add 3 numbers by looking for doubles or making a ten.   B1. Count back 1-3 to subtract.   B2. use a number line to count back.   B3. Relate doubles addition facts to subtraction facts.   B4. Write a number sentence to solve problems.   B5. Subtract using the make ten to subtract strategy.   B6. Identify similarities in related addition and subtraction sentences.   B7. Identify similarities in fact families.   B8. Understand subtraction as a missing addend problem.</p>	<p>Chapter Test/Vocabulary Test</p>	<p>MyMath Chapter 4: Subtraction Strategies to 20                  Manipulatives: counters, pennies, rekenrek, 10 frame,                  Apps:                  (See apps from September and October)                  Problem Solving Library: Rock Collections</p>

December 2015

Content	Skills	Assessment	Resources
<p>A. Continue Subtraction strategies if needed</p> <p>B. Review Addition and Subtraction Concepts</p> <p>C. Work on word problems</p> <p>D. Intro place value concepts (optional)</p>	<p>B1. Count back 1-3 to subtract.</p> <p>B2. use a number line to count back.</p> <p>B3. Relate doubles addition facts to subtraction facts.</p> <p>B4. Write a number sentence to solve problems.</p> <p>B5. Subtract using the make ten to subtract strategy.</p> <p>B6. Identify similarities in related addition and subtraction sentences.</p> <p>B7. Identify similarities in fact families.</p> <p>B8. Understand subtraction as a missing addend problem.</p>	<p>Quarter 2 Assessment (test over material taught Oct-Dec):</p> <p>OA.A.1 Solve problems involving addition and subtraction within 20</p> <p>OA.A.2 Solve addition and subtraction word problems with three addends with sums up to 20.</p> <p>OA.B.3 Apply properties of operations to add and subtract (commutative property)</p> <p>OA.B.4 Understand the relationship between addition and subtraction</p> <p>OA.C.5 Add and subtract within 20</p> <p>OA.C.6 Use strategies to add and subtract (counting on, counting back, number line, doubles, doubles +1, fact families)</p> <p>OA.D.7 Understand the meaning of the equal sign</p> <p>OA.D.8 Find missing addend</p> <p>NBT.A.1 Count to 100 (meets=100, progressing=70-99, needs improvement= 69 and below)</p>	

January 2016

Content	Skills	Assessment	Resources
<p>B. Place Value</p> <p>B1. Numbers 11-19</p> <p>B2. Tens</p> <p>B3. Tens and Ones</p> <p>B4. PSS: Table</p> <p>B5. Numbers to 100</p> <p>B6. Ten more/less</p> <p>B7. Counting by 5s</p> <p>B8. Comparing numbers</p> <p>B9. Numbers to 120</p> <p>B10: Count to 120</p>	<p>B1. Count and write numbers 11-19</p> <p>B2. Count groups of tens.</p> <p>B3. Make groups of ten and ones.</p> <p>B4. Make a table to solve problems.</p> <p>B5. Write numbers to 100 in different ways.</p> <p>B6. Identify numbers that are ten more or less than a given number.</p> <p>B7. Use nickels to count by 5s.</p> <p>B8. Compare two 2-digit numbers using models and symbols.</p> <p>B9. Make groups of hundreds, tens, and ones.</p> <p>B10: Count, read, and write numerals up to 120.</p>	<p>Chapter Test/Vocab Test</p> <p>Orally count to 120</p>	<p>MyMath Chapter 5: Place Value</p> <p>MyMath- virtual manipulatives</p> <p>Manipulatives: base 10 blocks, place value cards and disks</p> <p>Apps: Splash Math Number Pieces</p> <p>Problem Solving Library: Look Again</p>

February 2016			
Content	Skills	Assessment	Resources
A. 2-digit addition and subtraction B. Organize and use graphs B1. Tally Charts B2. Make a table B3. Picture graphs B4. Bar Graphs	 B1. Add tens within 100.  B2. Count on by tens and ones to find sums within 100.  B3. Add tens and ones to find sums within 100.  B4. Subtract tens to find the difference.  B5. Use number line to count back by tens to subtract.  B6. Relate addition and subtraction facts to solve problems.  B1. Make and read tally chart.  B2. Make a table to solve problems.  B3. Make, read, and interpret a picture graph.  B4. Use data to make and read a bar graph	Chapter Test/Vocab Test Count and Write to 120	MyMath Chapter 6: Two-Digit Addition and Subtraction Problem Solving Library: Look Again  MyMath Chapter 7: Organize and Use Graphs Problem Solving Library: I Like That Too
March 2016			
Content	Skills	Assessment	Resources
A. Measurement A1. Compare Lengths A2. Compare and order Lengths A3. Non-standard units A4. PSS: Guess/check/revise  B. Time B1. Time to hour analogue B2. Time to hour digital B3. Time to half hour analogue B4. Time to half hour digital	 A1. Compare lengths of objects using indirect measurement.  A2. Compare and order lengths of objects.  A3. Measure lengths of objects using nonstandard units.  A4. Guess, check, revise to solve problems.   B1. Read and write time to the hour on an analogue clock.  B2. Read and write time to the hour on digital clock.  B3. Read and write time to the half hour on analogue clock.  B4. Read and write time to the half hour on digital clock.	Quarter 3 Assessment (test over material taught Jan-March):  OA.A.1. Solve problems involving addition and subtraction within 20  OA.A.2  Solve addition and subtraction words problems with three addends OA.B.3 Apply properties of operations to add and subtract (commutative property) OA.B.4 Understand the relationship between addition and subtraction to 100 OA.C.5 Add and subtract within 20 OA.C.6 Use strategies to add and subtract OA.D.7 Understand the meaning of the equal sign OA.D.8 Find missing addend NBT.A.1 Count up to 120 orally (meets=120, progressing=101-119, needs improvement=100 and below) Extend the counting sequence by filling in missing numbers to 120  NBT.B.2  Understand place value (tens and ones)  NBT.B.3  Compare two 2-digit numbers using symbols (<, >, =)  NBT.C.4  Add and subtract groups of tens (2-digit numbers)  NBT.C.5  Find 10 more or 10 less than a number  NBT.C.6  Subtract multiples of 10 in the range of 10-90	MyMath Chapter 8: Measurement and Time Apps: Splash Math Banana Math Problem Solving in Nature: A Wet Week Manipulatives: Judy clocks, interactive smartboard clock (ask Hillary), unifix cubes

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April 2016

Content	Skills	Assessment	Resources
<p>*Finish time/measurement</p> <p>A. 2-D Shapes A1. Identify shapes: squares, rectangles, triangles, trapezoids, circles A2. Compare shapes A3. Composite shapes</p> <p>B. Equal Shares B1. equal parts B2. halves B3. quarters</p>	<p>A1. Use defining attributes to identify and describe: squares, rectangles, triangles, trapezoids, circles</p> <p>A2. Compare 2-D shapes.</p> <p>A3. Use 2-D shapes or composite shapes to make a composite shape.</p> <p>B1. Partition shapes into 2 or 4 equal shares and identify how many equal parts are in the whole.</p> <p>B2. Partition shapes into 2 equal parts.</p> <p>B3. Partition shapes into 4 equal parts.</p>	<p>Chapter Test/Vocab Test</p>	<p>MyMath Chapter 9 Apps: Pizza1 Geometry4kids Geoboard Attribute blocks</p> <p>Problem Solving Library: Shapes in Nature</p>

May 2016

Content	Skills	Assessment	Resources
<p>A. Continue Fractions B. 3-D Shapes B1. Identify shapes: cubes, rectangular prisms, cones, cylinders. B2. Combine 3-D shapes</p> <p>Finish objectives as needed and review/differentiate with students.</p>	<p>B1. Look at attributes to identify: cubes, rectangular prisms, cones, cylinders.</p> <p>B2. Combine 3-D shapes to make a composite shape.</p> <p>OA.A.2 Solve addition and subtraction words problems with three addends</p> <p>OA.C.6 Use strategies to add and subtract (fact fluency)</p> <p>OA.D.8 Find missing addend</p> <p>NBT.C.4 Add and subtract to 100 (add 2-digit and a 1-digit numbers, 2-digit number and a multiple of 10)</p> <p>NBT.C.5 Find 10 more or 10 less than a number</p> <p>NBT.C.6 Subtract multiples of 10 in the range of 10-90</p> <p>G.A.1 Distinguish between defining attributes and non-defining attributes</p> <p>G.A.2 Compose 2-dimensional (square, trapezoid, circle, triangle, rectangle, half-circle, quarter-circle) and 3-dimensional shapes (cubes, rectangular prisms, cylinders, cones)</p> <p>G.A.3 Partition circles and rectangles into 2 and 4 equal shares (halves, quarters, fourths)</p> <p>MD.A.1 Order 3 objects by length and compare lengths of 2 objects</p> <p>MD.A.2 Express length in units</p> <p>MD.B.3 Tell and write time to the hour and half hour (analog and digital)</p> <p>MD.C.4 Organize, represent, and interpret data with up to 3 categories. Ask and answer questions about the data.</p>	<p>Quarter 4 Assessment (test over material taught March-May): OA.A.2 Solve addition and subtraction words problems with three addends OA.C.6 Use strategies to add and subtract (fact fluency) OA.D.8 Find missing addend NBT.C.4 Add and subtract to 100 (add 2-digit and a 1-digit numbers, 2-digit number and a multiple of 10) NBT.C.5 Find 10 more or 10 less than a number NBT.C.6 Subtract multiples of 10 in the range of 10-90</p> <p>G.A.1 Distinguish between defining attributes and non-defining attributes</p> <p>G.A.2 Compose 2-dimensional (square, trapezoid, circle, triangle, rectangle, half-circle, quarter-circle) and 3-dimensional shapes (cubes, rectangular prisms, cylinders, cones)</p> <p>G.A.3 Partition circles and rectangles into 2 and 4 equal shares (halves, quarters, fourths)</p> <p>MD.A.1 Order 3 objects by length and compare lengths of 2 objects</p> <p>MD.A.2 Express length in units</p> <p>MD.B.3 Tell and write time to the hour and half hour (analog and digital)</p> <p>MD.C.4 Organize, represent, and interpret data with up to 3 categories. Ask and answer questions about the data.</p>	<p>MyMath Chapter 10 Apps: Cube Master Problem Solving Library: Shapes in Nature</p>

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