

*Highlighted text represents the competencies being taught again for mastery or extensions.

	August	September	October	November	December
Essential Questions	What group does this belong in? What's the best way to count this? How much is this, compared to that?	What comes next? What comes in the X place? How do I know? How much do I have? How much do I need?	What is this solid made of?	What is this solid made of?	What comes next?
Content	Addition, Subtraction, Comparing Numbers	Addition, Subtraction	Geometry	Geometry	Patterns, Numbers
Skills	<p>Understand and represent relationships among numbers and compute operations (addition and subtraction) with and without manipulatives.</p> <p>1a. Recognize and write numbers 0 to 12. (DOK 1)</p> <p>1c. Explain how to compare and order two-digit numbers using the terms "more," "less," "greater than," "less than," "equal to," and "almost," and the symbols $>$, $<$, and $=$. (DOK 1)</p> <p>1d. Use multiple representations for addition (combining of sets) and subtraction (take-away, missing addend, comparison) to solve problems. (DOK 1)</p>	<p>2c. Model situations and solve equations that require addition and subtraction of whole numbers; use objects, pictures, and symbols. (DOK 2)</p> <p>2b. Formulate, explain, and generalize patterns within and across addition and subtraction. (DOK 2)</p> <p>1d. Use multiple representations for addition (combining of sets) and subtraction (take-away, missing addend, comparison) to solve problems. (DOK 1)</p>	<p>3. Identify and classify properties of two- and three-dimensional shapes.</p> <p>3a. Identify and classify two-dimensional figures (triangle, square, rectangle, circle, trapezoid, hexagon, and rhombus). (DOK1)</p> <p>3b. Identify and classify three-dimensional figures (cube, rectangular prism, and sphere) according to their characteristics. (DOK 1)</p> <p>2c. Model situations and solve equations that require addition and subtraction of whole numbers; use objects, pictures, and symbols. (DOK 2)</p> <p>2b. Formulate, explain, and generalize patterns within and across addition and subtraction. (DOK 2)</p> <p>1d. Use multiple representations for addition (combining of sets) and subtraction (take-away, missing addend, comparison) to solve problems. (DOK 1)</p>	<p>3c. Explain the part-whole relationships resulting from the composition or decomposition of plane and solid figures. (DOK 2)</p> <p>2a. Use a pattern rule to translate and recognize patterns from one pattern representation to another. (DOK 2)</p>	<p>2. Recognize, extend, and create patterns</p> <p>1a. Recognize and write numbers 0 to 50. (DOK 1)</p> <p>2a. Use a pattern rule to translate and recognize patterns from one pattern representation to another. (DOK 2)</p> <p>2d. Count by different units when given a group of objects using 1's, 2's, 5's, and 10's. (DOK 1)</p>
Art Infusion Ideas	Create an alligator with his mouth open illustration the greater than/less than concept. Draw pictures that can be used to create math problems.	Use watercolors to create some pictures to add and subtract. Use songs about the addition and subtraction fact families. Use chopsticks to play different rhythms (combination of short and long sounds and rests) to review patterns. Use <u>Train Leaves the Station</u> by Eve Merriam to reinforce numbers with poetry.	Create a geometric 3-D Monster using materials in the 3-D shapes. Draw pictures to solve problems. Create pictures or figures using the 2 and 3 dimensional shapes. Mirror Game: Use whole body movements of geometric shapes for students to copy. Use Three Little Muffins to practice counting backwards.	Create a mobile of 2 and 3 dimensional shapes.	Draw patterns on sentence strips.
Materials Resources and Field Trips					Train Ride Field Trip
Assessments	Teacher observations Mississippi Diagnostic Test Student work samples	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests

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	January	February	March	April	May
Essential Questions	How many is 100? How much is 100? What can a number (or digit) represent? What does this number represent here?	What are the different ways to measure this? What's the best way to measure this?	What can a number or digit represent? What's the best way to count this?	What group does this belong in? What's the best way to count this? How can I show what I'm thinking?	How much do I have? How much do I need?
Content	100 th Day of School Place Value	Two-digit numbers, Money, Measurement	Telling Time Addition of 3 Digit Numbers	Graphs	Subtraction, Addition
Skills	<p>1b. Compose and decompose two-digit numbers with representations in words and physical models. (DOK 2)</p> <p>1b. Compose and decompose two-digit numbers with representations in words and physical models. (DOK 2)</p> <p>1c. Explain how to compare and order two-digit numbers using the terms "more," "less," "greater than," "less than," "equal to," and "almost," and the symbols >, <, and =. (DOK 1)</p> <p>2b. Formulate, explain, and generalize patterns within and across addition and subtraction. (DOK 2)</p>	<p>1g. Find equal money amounts with different coin combinations up to \$0.25. (DOK 1)</p> <p>1h. Identify the value of coins (penny, nickel, dime, quarter). (DOK 1)</p> <p>1i. Determine the value of like coins up to \$1.00. (DOK 1)</p> <p>1j. Find the value of mixed coins up to \$1.00. (DOK 1)</p> <p>4. Identify and apply measurable attributes.</p> <p>4a. Use nonstandard units (paper clips, unifix cubes, etc.) and standard units (inches, centimeters) to measure length. (DOK 1)</p> <p>4b. Compare weight of objects using a balance scale with and without nonstandard units. (DOK 1)</p> <p>4c. Compare and estimate capacity of various containers in nonstandard units. (DOK 2)</p> <p>2c. Model situations and solve equations that require addition and subtraction of whole numbers; use objects, pictures, and symbols. (DOK 2)</p>	<p>4d. Tell time to the hour and half-hour intervals using both digital and analog clocks. (DOK 1)</p> <p>1e. Find the sums of 3 single-digit addends (for example: $3 + 6 + 2 = 11$). (DOK 1)</p> <p>1a. Recognize and write numbers 0 to 100. (DOK 1)</p> <p>2b. Formulate, explain, and generalize patterns within and across addition and subtraction. (DOK 2)</p> <p>2c. Model situations and solve equations that require addition and subtraction of whole numbers; use objects, pictures, and symbols. (DOK 2)</p>	<p>DATA ANALYSIS & PROBABILITY</p> <p>5. Collect, organize, and interpret data in graphical form.</p> <p>5a. Gather data, construct, and interpret simple bar graphs and pictographs. (DOK 2)</p> <p>5b. Analyze and interpret data by using mathematical language such as more than, less than, etc. (DOK 1)</p> <p>2b. Formulate, explain, and generalize patterns within and across addition and subtraction. (DOK 2)</p> <p>2c. Model situations and solve equations that require addition and subtraction of whole numbers; use objects, pictures, and symbols. (DOK 2)</p> <p>1f. Justify addition and subtraction of two-digit whole numbers without regrouping. (DOK 2)</p> <p>1d. Use multiple representations for addition (combining of sets) and subtraction (take-away, missing addend, comparison) to solve problems. (DOK 1)</p>	<p>1f. Justify addition and subtraction of two-digit whole numbers without regrouping. (DOK 2)</p> <p>5a. Gather data, construct, and interpret simple bar graphs and pictographs. (DOK 2)</p> <p>2c. Model situations and solve equations that require addition and subtraction of whole numbers; use objects, pictures, and symbols. (DOK 2)</p> <p>3c. Explain the part-whole relationships resulting from the composition or decomposition of plane and solid figures. (DOK 2)</p>
Art Infusion Ideas	Create addition and subtraction stories to illustrate or act out.	Create a money man using paper coins. Money Songs Money Song Videos Teacher Tube Create flowers in the style of Georgia O'Keefe to measure. Use Mondrian to teach measurement	Create themed clocks to reinforce telling time. Use an art print that shows various groups of items that children can count to add creating 3 single-digit addends. Use Picasso's Hand with Flowers Print to teach addition of 3 single digit addends. Use the book <u>Tuesday</u> to introduce time!	Create flowers based on the style of Georgia O'Keeffe using black paper and oil pastels. Compare the number of petals using more than, less than, etc. Use the Button Chant and songs from A. Jerome Graph buttons	Create pictographs and bar graphs using student illustrations. Display. Musical Pizza activity from A. Jerome to relate to part/whole relationships
Materials, Resources and Field Trips					
Assessments	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests	Teacher observations Student work samples Chapter Tests