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| <p><b>Unit 1:</b> Fluency with Whole Numbers and Decimals<br/>Chapters: 1-5</p>  | <p><b>Time:</b> September-December</p>   |   |
| <p><b>Standards Taught</b></p>   |  |   |
| <ul style="list-style-type: none"> <li>• 5.OA.A.1</li> <li>• 5.OA.A.2</li> <li>• 5.NBT.A.1</li> <li>• 5.NBT.A.2</li> <li>• 5.NBT.A.3a</li> <li>• 5.NBT.A.3b</li> <li>• 5.NBT.A.4</li> <li>• 5.NBT.B.5</li> <li>• 5.NBT.B.6</li> <li>• 5.NBT.B.7</li> <li>• 5.NF.B.3</li> </ul> |  |   |
| <p><b>Differentiation/Assessment:</b></p>  | <p><b>Classroom Management and Environment:</b></p>  | <p><b>What will the students be doing?</b></p>  |
| <p><i>Students who need extra help will receive guidance from our Title teacher or aides. If appropriate, they will take their tests or complete worksheets in an alternative setting.</i></p>   | <p><i>Our classroom is set up with each student having their own desk with whole group discussion. There is collaboration in groups during Daily Math Centers.</i></p>   | <p><i>To practice the various math skills students will complete:</i></p> <ul style="list-style-type: none"> <li>• Enrichment Activities</li> <li>• Reteach Activities</li> <li>• Grab &amp; Go Centers Kit</li> <li>• Teacher-made games</li> <li>• Chapter Literature</li> <li>• Chapter Activity Cards</li> <li>• iPads</li> <li>Laptops</li> <li>• Mega Math online games</li> <li>• Soar to Success</li> <li>• Teacher projects</li> <li>• GoMath Tiered RTI activities</li> </ul> |
| <p><b>Relevance</b></p>  | <p><b>Vocabulary</b></p>   | <p><b>Assessments</b></p>   |
| <p><i>Students will apply place value knowledge to understand numbers and their value. This is applicable to Science concepts when converting unit of measure and evaluating number comparisons.</i></p>   | <ul style="list-style-type: none"> <li>- Base</li> <li>- Distributive property</li> <li>- Evaluate</li> <li>- Exponent</li> <li>- Inverse operations</li> <li>- Numerical expression</li> <li>- Order of operations</li> <li>- Period</li> <li>- Compatible number</li> <li>- Dividend</li> <li>- Divisor</li> <li>- Estimate</li> </ul> | <p><b><i>Daily Workbook Sheets, Class Discussion, Teacher Observation, Math Journals, Chapter Tests, Math Centers, Fact Fluency Tests</i></b></p>   |

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|   | <ul style="list-style-type: none"> <li>- <i>Factor</i></li> <li>- <i>Partial quotients</i></li> <li>- <i>Product</i></li> <li>- <i>Quotient</i></li> <li>- <i>Sequence</i></li> <li>- <i>Term</i></li> <li>- <i>Thousandth</i></li> <li>- <i>Place value</i></li> <li>- <i>Decimal</i></li> <li>- <i>Expanded form</i></li> <li>- <i>Standard form</i></li> <li>- <i>Equivalent fractions</i></li> </ul> |  |
| <p><b>Essential Questions:</b></p> <ul style="list-style-type: none"> <li>● How can you use place value, multiplication, and expressions to represent and solve problems?</li> <li>● How can you divide whole numbers?</li> <li>● How can you add and subtract decimals?</li> <li>● How can you solve decimal multiplication problems?</li> <li>● How can you solve decimal division problems?</li> </ul>   |  |  |
| <p><b>At completion of the unit, students will be able to:</b></p> <ul style="list-style-type: none"> <li>● Recognize the 10 to 1 relationship among place-value positions.</li> <li>● Read and write whole numbers through hundred million.</li> <li>● Write and evaluate repeated factors in exponent form.</li> <li>● Multiply by 1- and 2-digit numbers using properties and a standard algorithm.</li> <li>● Use multiplication to solve division problems.</li> <li>● Use the strategy solve a simpler problem to solve problems.</li> <li>● Write numerical expressions and evaluate numerical expressions using order of operations.</li> <li>● Divide 3- and 4-digit dividends by 1-digit divisors using a variety of strategies.</li> <li>● Divide by 2-digit divisors using base-ten blocks, place value, and other strategies.</li> <li>● Estimate quotients using compatible numbers.</li> <li>● Solve division problems and decide when to write a remainder as a fraction.</li> <li>● Solve problems by using the strategy draw a diagram</li> <li>● Model, read, and write decimals to thousandths.</li> <li>● Compare and order decimals to thousandths using place value.</li> <li>● Round decimals to any place.</li> <li>● Add and subtract decimals using base-ten blocks and place value.</li> <li>● Make reasonable estimates of decimal sums and differences.</li> <li>● Identify, describe, and create numerical patterns with decimals.</li> <li>● Solve problems using the strategy make a table.</li> <li>● Multiply a decimal and a whole number using drawings and place value.</li> <li>● Solve problems using the strategy draw a diagram to multiply money.</li> <li>● Multiply decimals using drawings and place value.</li> <li>● Estimate decimal quotients.</li> <li>● Divide decimals by whole numbers using drawings and place value.</li> <li>● Model division by decimals using drawings and place value.</li> <li>● Solve multistep decimal problems using the strategy work backward.</li> </ul> |  |  |

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| <p><b>Unit 2:</b> Operations with Fractions</p> <p>Chapters 6-8</p>  |  | <p><b>Time:</b> January-March</p>   |
| <p><b>Standards Taught</b></p>   |  |   |
| <ul style="list-style-type: none"> <li>● 5.NF.A.1</li> <li>● 5.NF.A.2</li> <li>● 5.NF.B.3</li> <li>● 5.NF.B.4a</li> <li>● 5.NF.B.4b</li> <li>● 5.NF.B.5a</li> <li>● 5.NF.B.5b</li> <li>● 5.NF.B.6</li> <li>● 5.NF.B.7a</li> <li>● 5.NF.B.7b</li> <li>● 5.NF.B.7c</li> </ul>  |  |   |
| <p><b>Differentiation/Assessment:</b></p>  | <p><b>Classroom Management and Environment:</b></p>  | <p><b>What will the students be doing?</b></p>  |
| <p><i>Students who need extra help will receive guidance from our Title teacher or aides. If appropriate, they will take their tests or complete worksheets in an alternative setting.</i></p>   | <p><i>Our classroom is set up with each student having their own desk with whole group discussion. There is collaboration in groups during Daily Math Centers.</i></p>   | <p><i>To practice the various math skills students will complete:</i></p> <ul style="list-style-type: none"> <li>● Enrichment Activities</li> <li>● Reteach Activities</li> <li>● Grab &amp; Go Centers Kit</li> <li>● Teacher-made games</li> <li>● Chapter Literature</li> <li>● Chapter Activity Cards</li> <li>● iPads</li> <li>Laptops</li> <li>● Mega Math online games</li> <li>● Soar to Success</li> <li>● Teacher projects</li> <li>● GoMath Tiered RTI activities</li> </ul> |
| <p><b>Relevance</b></p>  | <p><b>Vocabulary</b></p>   | <p><b>Assessments</b></p>   |
| <p>Students use their understanding of how division procedures work using the properties and base ten modeling. Fluency with multi-digit addition, subtraction, and multiplication is completed. Students connect decimal numbers and fractions to deepen understanding.</p> | <ul style="list-style-type: none"> <li>- <i>Mixed number</i></li> <li>- <i>Common denominator</i></li> <li>- <i>Numerator</i></li> <li>- <i>Denominator</i></li> <li>- <i>Dividend</i></li> <li>- <i>Divisor</i></li> <li>- <i>Fraction</i></li> <li>- <i>Quotient</i></li> <li>- <i>Least common</i></li> </ul> | <p><b><i>Daily Workbook Sheets, Class Discussion, Teacher Observation, Math Journals, Chapter Tests, Math Centers, Fact Fluency Tests</i></b></p>   |

**Essential Questions:**

- How can you add and subtract fractions with unlike denominators?
- How do you multiply fractions?
- What strategies can you use to solve division problems involving fractions?

**At completion of the unit, students will be able to:**

Add fractions with unlike denominators using models, drawings, properties, and equivalent fractions.

- Subtract fractions with unlike denominators using models, drawings, and equivalent fractions.
- Make reasonable estimates of fraction sums and differences.
- Add and subtract mixed numbers with unlike denominators.
- Identify, describe, and create numerical patterns with fractions.
- Solve problems using the strategy work backward.
- Model to find the fractional part of a group.
- Multiply fractions and whole numbers using models, drawings, and other strategies.
- Multiply fractions using models, drawings, and other strategies.
- Multiply mixed numbers using drawings and other strategies.
- Relate the size of the product compared to the size of one factor when multiplying fractions less than one and greater than one.
- Solve problems using the strategy guess, check, and revise.
- Divide a whole number by a fraction and divide a fraction by a whole number using models, drawings, and other strategies.
- Solve problems using the strategy draw a diagram.
- Interpret a fraction as division and solve whole number division problems that result in a fraction or mixed number.
- Represent division by drawing diagrams and writing story problems and equations.

**Unit 3:** Geometry and Measurement  
Chapters: 9-11

**Time:** End March-May

**Standards Taught**

- 5.OA.B.3
- 5.MD.B.2
- 5.G.A.1
- 5.G.A.2
- 5.MD.A.1
- 5.MD.C.3
- 5.MD.C.3a
- 5.MD.C.3b
- 5.MD.C.4
- 5.MD.C.5a
- 5.MD.C.5b
- 5.MD.C.5c
- 5.G.B.3
- 5.G.B.4

| <b>Differentiation/Assessment:</b>   | <b>Classroom Management and Environment:</b>  | <b>What will the students be doing?</b>   |
|--|---|---|
| <p><i>Students who need extra help will receive guidance from our Title teacher or aides. If appropriate, they will take their tests or complete worksheets in an alternative setting.</i></p>           | <p><i>Our classroom is set up with each student having their own desk with whole group discussion. There is collaboration in groups during Daily Math Centers.</i></p>  | <p><i>To practice the various math skills students will complete:</i></p> <ul style="list-style-type: none"> <li>● Enrichment Activities</li> <li>● Reteach Activities</li> <li>● Grab &amp; Go Centers Kit</li> <li>● Teacher-made games</li> <li>● Chapter Literature</li> <li>● Chapter Activity Cards</li> <li>● iPads</li> <li>Laptops</li> <li>● Mega Math online games</li> <li>● Soar to Success</li> <li>● Teacher projects</li> <li>● GoMath Tiered RTI activities</li> </ul> |
| <b>Relevance</b>   | <b>Vocabulary</b>   | <b>Assessments</b>  |
| <p><i>Students will apply place value knowledge to understand numbers and their value. This is applicable to Science concepts when converting unit of measure and evaluating number comparisons.</i></p> | <ul style="list-style-type: none"> <li>- Data</li> <li>- line plot</li> <li>- Interval</li> <li>- Line graph</li> <li>- Ordered pair</li> <li>- Origin</li> <li>- Scale</li> <li>- X axis</li> <li>- Y axis</li> <li>- Decimeter</li> <li>- Gallon</li> <li>- Gram</li> <li>- Length</li> <li>- Liter</li> <li>- Mass</li> <li>- Meter</li> <li>- Mile</li> <li>- Milligram</li> <li>- Millimeter</li> <li>- Pound</li> <li>- Ounce</li> <li>- Ton</li> <li>- Weight</li> <li>- Capacity</li> <li>- Decameter</li> <li>- Acute</li> <li>- Obtuse</li> </ul> | <p><b><i>Daily Workbook Sheets, Class Discussion, Teacher Observation, Math Journals, Chapter Tests, Math Centers, Fact Fluency Tests</i></b></p>   |

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|  | <ul style="list-style-type: none"> <li>- <i>Equilateral</i></li> <li>- <i>Isosceles</i></li> <li>- <i>Right triangle</i></li> <li>- <i>Right triangle</i></li> <li>- <i>Parallelogram</i></li> <li>- <i>Quadrilateral</i></li> <li>- <i>Scalene</i></li> <li>- <i>Trapezoid</i></li> <li>- <i>Base</i></li> <li>- <i>Congruent</i></li> <li>- <i>Heptagon</i></li> <li>- <i>Lateral face</i></li> <li>- <i>Nonagon</i></li> <li>- <i>Polygon</i></li> <li>- <i>Polyhedron</i></li> <li>- <i>Prism</i></li> <li>- <i>Pyramid</i></li> <li>- <i>Unit cube</i></li> <li>- <i>Volume</i></li> </ul> |  |
| <p><b>Essential Questions:</b></p> <ul style="list-style-type: none"> <li>• How can you use line plots, coordinate grids, and patterns to help you graph and interpret data?</li> <li>• What strategies can you use to compare and convert measurements?</li> <li>• How do unit cubes help you build solid figures and understand the volume of a rectangular prism?</li> </ul>  |   |  |
| <p><b>At the end of the unit, students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Make and use line plots with fractions to solve problems.</li> <li>• Graph and name points on a coordinate grid using ordered pairs.</li> <li>• Analyze and display data in a line graph.</li> <li>• Use two rules to generate a numerical pattern and identify the relationship between the corresponding terms in the patterns.</li> <li>• Solve problems using the strategy solve a simpler problem.</li> <li>• Graph the relationship between two numerical patterns on a coordinate grid.</li> <li>• Compare, contrast, and convert customary units of length, capacity, and weight.</li> <li>• Convert measurement units to solve multistep problems.</li> <li>• Compare, contrast, and convert metric units.</li> <li>• Solve problems about customary and metric conversions using the strategy make a table.</li> <li>• Convert units of time to solve elapsed time problems.</li> <li>• Classify and compare polygons, triangles, and quadrilaterals using their properties.</li> <li>• Solve problems using the strategy act it out and make a table.</li> <li>• Identify, describe, and classify three dimensional figures.</li> <li>• Understand unit cubes and how they can be used to build a solid figure.</li> <li>• Estimate volume of a rectangular prism and find the volume of a rectangular prism by</li> </ul> |   |  |



