<p>| Lesson 1 | Reason concretely and pictorially using place value understanding to relate adjacent base ten units from millions to thousandths |
| Lesson 2 | Reason abstractly using place value understanding to relate adjacent base ten units from millions to thousandths |
| Lesson 3 | Use exponents to name place value units and explain patterns in the placement of the decimal |
| Lesson 4 | Use exponents to denote powers of 10 with application to metric conversions. |
| Lesson 5 | Name decimal fractions in expanded, unit, and word forms by applying place value reasoning |
| Lesson 6 | Compare decimal fractions to the thousandths using like units, and express comparisons with &gt;, &lt;, = |
| Lesson 7 | Round a given decimal to any place using place value understanding and the vertical number |
| Lesson 8 | Round a given decimal to any place using place value understanding and the vertical number |
| Lesson 9 | Add decimals using place value strategies and relate those strategies to a written method |
| Lesson 10 | Subtract decimals using place value strategies and relate those strategies to a written method |
| Lesson 11 | Multiply a decimal fraction by single-digit whole numbers, relate to a written method through application of the area model and place value understanding, and explain the reasoning used |
| Lesson 12 | Multiply a decimal fraction by single-digit whole numbers, including using estimation to confirm the placement of the decimal point |
| Lesson 13 | Divide decimals by single-digit whole numbers involving easily identifiable multiples using place value understanding and relate to a written method |
| Lesson 14 | Divide decimals with a remainder using place value understanding and relate to a written |
| Lesson 15 | Divide decimals using place value understanding including remainders in the smallest unit |
| Lesson 16 | Solve word problems using decimal operations |</p>
<table>
<thead>
<tr>
<th>Lesson 1</th>
<th>Lesson 2</th>
<th>Lesson 3</th>
<th>Lesson 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiply multi-digit whole numbers and multiples of 10 using place value patterns and the distributive and associative properties.</td>
<td>Estimate multi-digit products by rounding factors to a basic fact and using place value patterns.</td>
<td>Write numerical expressions, and compare expressions using a visual model.</td>
<td>Convert numerical expressions into unit form as a mental strategy for multi-digit multiplication.</td>
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</tbody>
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<th>Lesson 6</th>
<th>Lesson 7</th>
<th>Lesson 8</th>
</tr>
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<td>Connect visual models and the distributive property to partial products of the standard algorithm without renaming.</td>
<td>Connect area models and the distributive property to partial products of the standard algorithm.</td>
<td>Connect area models and the distributive property to partial products of the standard algorithm.</td>
<td>Fluently multiply multi-digit whole numbers using the standard algorithm and using estimation to check for reasonableness of the product.</td>
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<th>Lesson 11</th>
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<td>Fluently multiply multi-digit whole numbers using the standard algorithm to solve multi-step problems.</td>
<td>Multiply decimal fractions with tenths by multi-digit whole numbers using place value understanding to record partial products.</td>
<td>Multiply decimal fractions by multi-digit whole numbers through conversion to a whole number problem and reasoning about the placement of the decimal.</td>
<td>Reason about the product of a whole number and a decimal with hundredths using place value understanding and estimation.</td>
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<th>Lesson 14</th>
<th>Lesson 15</th>
<th>Lesson 16</th>
</tr>
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<td>Use whole number multiplication to express equivalences.</td>
<td>Use fraction and decimal multiplication to express word problems involving measurement conversions.</td>
<td>Solve two-step word problems involving measurement conversions.</td>
<td>Use divide by 10 patterns for multi-digit whole number division.</td>
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<th>Lesson 19</th>
<th>Lesson 20</th>
</tr>
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<td>Use basic facts to approximate quotients with two-digit divisors.</td>
<td>Use basic facts to approximate quotients with two-digit divisors.</td>
<td>Divide two- and three-digit dividends by multiples of 10 with single-digit quotients, and make connections to a written method.</td>
<td>Divide two- and three-digit dividends by two-digit divisors with single-digit quotients, and make connections to.</td>
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<th>Lesson 22</th>
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<th>Lesson 24</th>
</tr>
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<td>Divide two- and three-digit dividends by two-digit divisors with single-digit quotients, and make connections to a written method.</td>
<td>Divide three- and four-digit dividends by two-digit divisors resulting in two- and three-digit quotients, reasoning about the decomposition of successive remainders in each place value.</td>
<td>Divide three- and four-digit dividends by two-digit divisors resulting in two- and three-digit quotients, reasoning about the decomposition of successive remainders in each place value.</td>
<td>Divide decimal dividends by multiples of 10, reasoning about the placement of the decimal point and making connections to a written method.</td>
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### Lesson 25
Use basic facts to approximate decimal quotients with two-digit divisors, reasoning about the placement of the decimal point.

### Lesson 26
Divide decimal dividends by two-digit divisors, estimating quotients, reasoning about the placement of the decimal point, and making connections to a

### Lesson 27
Divide decimal dividends by two-digit divisors, estimating quotients, reasoning about the placement of the decimal point, and making connections to a

### Lesson 28
Solve division word problems involving multi-digit division with group size unknown and the number of groups unknown.

### Lesson 29
Solve division word problems involving multi-digit division with group size unknown and the number of groups unknown.
Lesson 1: Make equivalent fractions with the number line, the area model, and numbers.

Lesson 2: Make equivalent fractions with sums of fractions with like denominators.

Lesson 3: Add fractions with unlike units using the strategy of creating equivalent fractions.

Lesson 4: Add fractions with sums between 1 and 2.

Lesson 5: Subtract fractions with unlike units using the strategy of creating equivalent fractions.

Lesson 6: Subtract fractions from numbers between 1 and 2.

Lesson 7: Solve two-step word problems.

Lesson 8: Add fractions to and subtract fractions from whole numbers using equivalence and the number line as a model.

Lesson 9: Add fractions making like units numerically.

Lesson 10: Add fractions with sums greater than 2.

Lesson 11: Subtract fractions making like units numerically.

Lesson 12: Subtract fractions greater than or equal to 1.

Lesson 13: Use benchmark numbers to assess reasonableness of addition and subtraction.

Lesson 14: Strategize to solve multi-term problems.

Lesson 15: Solve multi-step word problems; assess reasonableness of solutions using benchmark numbers.

Lesson 16: Explore part-to-whole relationships.
Lesson 1
Measure and compare pencil lengths to the nearest half, quarter, and eighth of an inch, and analyze the data.

Lesson 2
Interpret a fraction as division.

Lesson 3
Interpret a fraction as division.

Lesson 4
Use tape diagrams to model fractions as division.

Lesson 5
Solve word problems involving the

Lesson 6
Relate fractions as division to fraction of a set through line plots.

Lesson 7
Multiply any whole number by a fraction using tape diagrams.

Lesson 8
Relate a fraction of a set to the repeated addition interpretation of fraction multiplication.

Lesson 9
Find a fraction of a measurement, and solve word problems.

Lesson 10
Compare and evaluate expressions with parentheses.

Lesson 11
Solve and create fraction word problems involving addition, subtraction, and multiplication.

Lesson 12
Solve and create fraction word problems involving addition, subtraction, and multiplication.

Lesson 13
Multiply unit fractions by unit fractions.

Lesson 14
Multiply unit fractions by non-unit fractions.

Lesson 15
Multiply non-unit fractions by non-unit fractions.

Lesson 16
Solve word problems using tape diagrams and fraction-by-fraction multiplication.

Lesson 17
Relate decimal multiplication.

Lesson 18
Relate decimal and fraction multiplication.

Lesson 19
Convert measures involving whole numbers, and

Lesson 20
Convert mixed unit measurements, and solve multi-step

Lesson 21
Explain the size of the product.

Lesson 22
Compare the size of the product to the size of the factors.

Lesson 23
Compare the size of the product to the size of the factors.

Lesson 24
Solve word problems using fraction and decimal multiplication.
Lesson 1
Explore volume by building with and counting unit cubes.

Lesson 2
Find the volume of a right rectangular prism by packing with cubic units and counting.

Lesson 3
Compose and decompose right rectangular prisms using layers.

Lesson 4
Use multiplication to calculate volume.

Lesson 5
Use multiplication to connect volume as packing with volume as filling.

Lesson 6
Find the total volume of solid figures composed of two non-overlapping rectangular prisms.

Lesson 7
Solve word problems involving the volume of rectangular prisms with whole number.

Lesson 8
Apply concepts and formulas of volume to design a sculpture using rectangular prisms within.

Lesson 9
Apply concepts and formulas of volume to design a sculpture using rectangular prisms within.

Lesson 10
Find the area of rectangles with whole-by-mixed and whole-by-fractional number side lengths by tiling, record by drawing, and relate to fraction multiplication.

Lesson 11
Find the area of rectangles with mixed-by-mixed and fraction-by-fraction side lengths by tiling, record by drawing, and relate to fraction multiplication.

Lesson 12
Measure to find the area of rectangles with fractional side lengths.

Lesson 13
Multiply mixed number factors, and relate to the distributive property and the area model.

Lesson 14
Solve real-world problems involving area of figures with fractional side lengths using visual models and/or equations.

Lesson 15
Solve real-world problems involving area of figures with fractional side lengths using visual models and/or equations.

Lesson 16
Draw trapezoids to clarify their attributes, and define trapezoids based on those attributes.

Lesson 17
Draw parallelograms to clarify their attributes, and define parallelograms based on those.

Lesson 18
Draw rectangles and rhombuses to clarify their attributes, and define rectangles and rhombuses based on those attributes.

Lesson 19
Draw kites and squares to clarify their attributes, and define kites and squares based on those attributes.

Lesson 20
Classify two-dimensional figures in a hierarchy based on properties.

Lesson 21
Draw and identify varied two-dimensional figures from given attributes.
Lesson 1
Construct a coordinate system on a line

Lesson 2
Construct a coordinate system on a plane.

Lesson 3
Name points using coordinate pairs, and use the coordinate pairs to plot points

Lesson 4
Name points using coordinate pairs, and use the coordinate pairs to plot points

Lesson 5
Investigate patterns in vertical and horizontal lines, and interpret points on the plane as

Lesson 6
Investigate patterns in vertical and horizontal lines, and interpret points on the plane as

Lesson 7
Plot points, use them to draw lines in the plane, and describe patterns within the coordinate

Lesson 8
Generate a number pattern from a given rule, and plot the points

Lesson 9
Generate two number patterns from given rules, plot the points, and analyze the patterns

Lesson 10
Compare the lines and patterns generated by addition rules and multiplication rules

Lesson 11
Analyze number patterns created from mixed operations

Lesson 12
Create a rule to generate a number pattern, and plot the points

Lesson 13
Construct parallel line segments on a rectangular grid

Lesson 14
Construct parallel line segments, and analyze relationships of the coordinate pairs

Lesson 15
Construct perpendicular line segments on a rectangular grid

Lesson 16
Construct perpendicular line segments, and analyze relationships of the coordinate pairs

Lesson 17
Draw symmetric figures using distance and angle measure from the line of symmetry

Lesson 18
Draw symmetric figures on the coordinate plane

Lesson 19
Plot data on line graphs and analyze trends

Lesson 20
Use coordinate systems to solve real world problems