

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
Multiplication and Division with Units of 2, 3, 4, 5, and 10	Place Value Concepts Through Metric Measurement	Multiplication and Division with Units of 0, 1, 6, 7, 8, and 9	Multiplication and Area	Fractions as Numbers	Geometry, Measurement, and Data
<p>Topic A: Conceptual Understanding of Multiplication</p> <p>Lesson 1: Organize, count, and represent a collection of objects. 2.NBT.A.2, MP7</p> <p>Lesson 2: Interpret equal groups as multiplication. 3.OA.A.1, MP6, 3.Mod1.AD1</p> <p>Lesson 3: Relate multiplication to the array model. 3.OA.A.1, MP2, 3.Mod1.AD1</p> <p>Lesson 4: Interpret the meaning of factors as number of groups or number in each group. 3.OA.A.1, MP6, 3.Mod1.AD1</p> <p>Lesson 5: Represent and solve multiplication word problems by using drawings and equations. 3.OA.A.3, MP4, 3.Mod1.AD3</p>	<p>Topic A: Understanding Place Value Concepts Through Metric Measurement</p> <p>Lesson 1: Connect the composition of 1 kilogram to the composition of 1 thousand. 3.MD.A.2, MP7, 3.Mod2.AD5</p> <p>Lesson 2: Estimate the weight of familiar objects and read scales when weighing objects. 3.MD.A.2, MP5, 3.Mod2.AD3, 3.Mod2.AD4</p> <p>Lesson 3: Use all four operations to solve one-step word problems involving weight. 3.MD.A.2, MP2, 3.Mod2.AD3, 3.Mod2.AD5</p> <p>Lesson 4: Connect decomposition of 1 liter to the decomposition of 1 thousand. 3.MD.A.2, MP7, 3.Mod2.AD4</p>	<p>Topic A: Multiplication and Division Concepts with an Emphasis on Units of 6 and 8</p> <p>Lesson 1: Organize, count, and represent a collection of objects. 3.OA.B.5, 3.OA.C.7, MP3, 3.Mod3.AD5, 3.Mod3.AD8</p> <p>Lesson 2: Count by units of 6 to multiply and divide by using arrays. 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, MP2, 3.Mod3.AD3, 3.Mod3.AD4, 3.Mod3.AD7</p> <p>Lesson 3: Count by units of 8 to multiply and divide by using arrays. 3.OA.A.4, 3.OA.B.5, MP2, 3.Mod3.AD4, 3.Mod3.AD5</p> <p>Lesson 4: Decompose pictorial arrays to create expressions with three factors. 3.OA.B.5, MP7, 3.Mod3.AD7</p>	<p>Topic A: Foundations for Understanding Area</p> <p>Lesson 1: Explore attributes of squares, rectangles, and trapezoids. 3.G.A.1, MP6, 3.Mod4.AD1</p> <p>Lesson 2: Recognize area as an attribute of polygons. 3.MD.C.5, 3.MD.C.5.a, 3.MD.C.5.b, 3.MD.C.6, MP5, 3.Mod4.AD2, 3.Mod4.AD3</p> <p>Lesson 3: Tile polygons to find their areas. 3.MD.C.5, 3.MD.C.5.a, 3.MD.5.b, 3.MD.C.6, MP3, 3.Mod4.AD2, 3.Mod4.AD3</p> <p>Lesson 4: Compose rectangles to compare areas. 3.MD.C.5, 3.MD.C.5.a, 3.MD.C.5.b, 3.MD.C.6, MP6, 3.Mod4.AD2, 3.Mod4.AD3</p> <p>Lesson 5: Relate side lengths to the number of tiles on a side. 3.MD.C.5, 3.MD.C.5.a,</p>	<p>Topic A: Partition a Whole into Equal Parts</p> <p>Lesson 1: Partition a whole into equal parts and name the fractional unit. 3.G.A.2, MP6, 3.Mod5.AD10</p> <p>Lesson 2: Partition different wholes into fractional units concretely. 3.G.A.2, MP2, 3.Mod5.AD10</p> <p>Lesson 3: Partition a whole into fractional units by folding fraction strips. 3.G.A.2, MP6, 3.Mod5.AD10</p> <p>Lesson 4: Partition a whole into fractional units pictorially and identify the unit fraction. 3.NF.A.1, 3.G.A.2, MP7, 3.Mod5.AD1, 3.Mod5.AD10</p> <p>Lesson 5: Partition a whole into fractional units and write fractions in fraction form. 3.NF.A.1, 3.G.A.2, MP6, 3.Mod5.AD1, 3.Mod5.AD10</p>	<p>Topic A: Tell Time and Solve Time Interval Problems</p> <p>Lesson 1: Relate skip-counting by fives on the clock to telling time on the number line. 3.MD.A.1, MP7, 3.Mod6.AD1</p> <p>Lesson 2: Count by fives and ones on the number line as a strategy for telling time to the nearest minute on the clock. 3.MD.A.1, MP3, 3.Mod6.AD1</p> <p>Lesson 3: Solve time word problems where the end time is unknown. 3.MD.A.1, MP4, 3.Mod6.AD2</p> <p>Lesson 4: Solve time word problems where the start time is unknown. 3.MD.A.1, MP5, 3.Mod6.AD2</p> <p>Lesson 5: Solve time word problems where the change in time is unknown. 3.MD.A.1, MP7, 3.Mod6.AD2</p>

Module 1

Topic B: Conceptual Understanding of Division

Lesson 6: Explore measurement and partitive division by modeling concretely and drawing.
3.OA.A.2, MP1, 3.Mod1.AD2

Lesson 7: Model measurement and partitive division by drawing equal groups.
3.OA.A.2, MP2, 3.Mod1.AD2

Lesson 8: Model measurement and partitive division by drawing arrays.
3.OA.A.2, 3.OA.A.3, MP1, 3.Mod1.AD2, 3.Mod1.AD3

Lesson 9: Represent and solve division word problems using drawings and equations.
3.OA.A.2, 3.OA.A.3, MP5, 3.Mod1.AD2, 3.Mod1.AD3

Topic C: Properties of Multiplication

Lesson 10: Demonstrate the commutative property of multiplication using a unit of 2 and the array model.
3.OA.A.1, 3.OA.B.5, MP3, 3.Mod1.AD1, 3.Mod1.AD5

Lesson 11: Demonstrate the commutative property of multiplication using a unit of 4 and the array model.

Module 2

Lesson 5: Estimate and measure liquid volume using a vertical number line and connect composition of 1 liter to composition of 1 thousand.
3.MD.A.2 MP6, 3.Mod2.AD3, 3.Mod2.AD4

Lesson 6: Use all four operations to solve one-step word problems involving liquid volume.
3.MD.A.2, MP3, 3.Mod2.AD5

Lesson 7: Solve one-step word problems using metric units.
3.MD.A.2, MP1, 3.Mod2.AD5

Topic B: Rounding to the Nearest Ten and Hundred

Lesson 8: Read temperature on a thermometer using number line concepts.
3.NBT.A.1, MP5, 3.Mod2.AD1

Lesson 9: Round two-digit numbers to the nearest ten on the vertical number line.
3.NBT.A.1, MP2, 3.Mod2.AD1

Lesson 10: Round two- and three-digit numbers to the nearest ten on the vertical number line.
3.NBT.A.1, MP8, 3.Mod2.AD1

Lesson 11: Round to the nearest hundred on the vertical number line.
3.NBT.A.1, MP7, 3.Mod2.AD1

Lesson 12: Estimate sums and differences by rounding.

Module 3

Lesson 5: Use the break apart and distribute strategy to multiply with units of 6 and 8.
3.OA.B.5, MP6, 3.Mod3.AD5

Lesson 6: Use the break apart and distribute strategy to divide with units of 6 and 8.
3.OA.B.5, MP3, 3.Mod3.AD6

Topic B: Multiplication and Division Concepts with an Emphasis on the Unit of 7

Lesson 7: Count by units of 7 to multiply and divide by using arrays and tape diagrams.
3.OA.A.3, 3.OA.A.4, 3.OA.B.6, MP5, 3.Mod1.AD7, 3.Mod3.AD3, 3.Mod3.AD4

Lesson 8: Use the break apart and distribute strategy to multiply with units of 7.
3.OA.A.3, 3.OA.B.5, MP2, 3.Mod3.AD3, 3.Mod3.AD5

Lesson 9: Model the associative property as a strategy to multiply.
3.OA.B.5, MP7, 3.Mod3.AD7

Lesson 10: Use parentheses in expressions with different operations.
3.OA.B.5, MP6, 3.Mod3.AD7

Lesson 11: Use the break apart and distribute strategy to divide with units of 7.
3.OA.B.5, MP3, 3.Mod3.AD6

Module 4

3.MD.C.5.b, 3.MD.C.6, MP8, 3.Mod4.AD1, 3.Mod4.AD2, 3.Mod4.AD3

Topic B: Concepts of Area Measurement

Lesson 6: Tile rectangles with squares to make arrays and relate the side lengths to area.
3.MD.C.6, 3.MD.C.7.a, MP3, 3.Mod4.AD3, 3.Mod4.AD4

Lesson 7: Draw rows and columns to complete a rectangular array and determine its area.
3.MD.C.6, 3.MD.C.7.a, MP1, 3.Mod4.AD3, 3.Mod4.AD4

Lesson 8: Determine the area of a rectangle by using side lengths.
3.MD.C.7.a, 3.MD.C.7.b, MP6, 3.Mod4.AD4, 3.Mod4.AD5

Lesson 9: Multiply side lengths to find the area of a rectangle.
3.MD.C.7.b, MP5, 3.Mod4.AD5

Topic C: Applying Properties of Operations to Area

Lesson 10: Compose large rectangles and reason about their areas.
3.MD.C.7.c, 3.MD.C.7.d, MP7, 3.Mod4.AD6, 3.Mod4.AD7, 3.Mod4.AD8

Module 5

Topic B: Unit Fractions and Their Relationship to the Whole

Lesson 6: Build non-unit fractions less than 1 from unit fractions concretely.
3.NF.A.1, 3.G.A.2, MP7, 3.Mod5.AD2, 3.Mod5.AD10

Lesson 7: Identify and represent a whole as two parts: a unit fraction and a non-unit fraction.
3.NF.A.1, 3.G.A.2, MP2, 3.Mod5.AD1, 3.Mod5.AD2, 3.Mod5.AD10

Lesson 8: Identify and represent a whole as two non-unit fractions.
3.NF.A.1, 3.NF.A.3.c, 3.G.A.2, MP7, 3.Mod5.AD2, 3.Mod5.AD6, 3.Mod5.AD10

Lesson 9: Compare unit fractions by reasoning about their size concretely.
3.NF.A.3.d, 3.G.A.2, MP3, 3.Mod5.AD7, 3.Mod5.AD8, 3.Mod5.AD10

Lesson 10: Compare non-unit fractions less than 1 with the same numerator by using tape diagrams.
3.NF.A.3.d, 3.G.A.2, MP6, 3.Mod5.AD7, 3.Mod5.AD10

Topic C: Fractions on the Number Line

Module 6

Lesson 6: Solve time word problems and use time data to create a line plot.
3.MD.A.1, MP4, 3.Mod6.AD.2

Lesson 7: Count coins and create money word problems. (Optional)
3.OA.D.8, MP2, 3.Mod3.AD9

Topic B: Attributes of Two-Dimensional Figures

Lesson 8: Compare and classify quadrilaterals.
3.G.A.1, MP3, 3.Mod6.AD7

Lesson 9: Compare and classify other polygons.
3.G.A.1, MP6, 3.Mod6.AD7

Lesson 10: Draw polygons with specified attributes.
3.G.A.1, MP5, 3.Mod6.AD7, 3.Mod6.AD8

Lesson 11: Reason about composing polygons by using tetrominoes.
3.G.A.1, MP8, 3.Mod6.AD7, 3.Mod6.AD8

Lesson 12: Reason about composing polygons by using tangrams.
3.G.A.1, MP1, 3.Mod6.AD7, 3.Mod6.AD8

Topic C: Problem Solving with Perimeter

Module 1

3.OA.A.1, 3.OA.B.5, MP7, 3.Mod1.AD1, 3.Mod1.AD5

Lesson 12: Demonstrate the distributive property using a unit of 4.

3.OA.B.5, 3.OA.C.7, MP7, 3.Mod1.AD6, 3.Mod1.AD8

Lesson 13: Demonstrate the commutative property of multiplication using a unit of 3 and the array model.

3.OA.A.1, 3.OA.B.5, MP8, 3.Mod1.AD1, 3.Mod1.AD5

Lesson 14: Demonstrate the distributive property using units of 2, 3, 4, 5, and 10.

3.OA.B.5, 3.OA.C.7, MP2, 3.Mod1.AD6, 3.Mod1.AD8

Topic D: Two Interpretations of Division

Lesson 15: Model division as an unknown factor problem.

3.OA.A.2, 3.OA.A.4, 3.OA.B.6, MP4, 3.Mod1.AD2, 3.Mod1.AD4, 3.Mod1.AD7

Lesson 16: Model the quotient as the number of groups using units of 2, 3, 4, 5, and 10.

3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, MP3, 3.Mod1.AD2, 3.Mod1.AD3, 3.Mod1.AD4, 3.Mod1.AD7

Lesson 17: Model the quotient as the size of each group using units of 2, 3, 4, 5, and 10.

Module 2

3.NBT.A.1, 3.NBT.A.2, MP6, 3.Mod2.AD1, 3.Mod2.AD2

Topic C: Simplifying Strategies to Find Sums and Differences

Lesson 13: Collect and represent data in a scaled bar graph and solve related problems.

3.MD.B.3, MP2, 3.Mod2.AD6, 3.Mod2.AD7

Lesson 14: Use place value understanding to add and subtract like units.

3.NBT.A.2, MP7, 3.Mod2.AD2

Lesson 15: Use the associative property to make the next ten to add.

3.NBT.A.2, MP3, 3.Mod2.AD2

Lesson 16: Use compensation to add.

3.NBT.A.2, MP5, 3.Mod2.AD2

Lesson 17: Use place value understanding to subtract efficiently using take from a ten.

3.NBT.A.2, MP6, 3.Mod2.AD2

Lesson 18: Use place value understanding to subtract efficiently using take from a hundred.

3.NBT.A.2, MP7, 3.Mod2.AD2

Lesson 19: Use compensation to subtract.

3.NBT.A.2, MP2, 3.Mod2.AD2

Module 3

Lesson 12: Solve one-step word problems involving multiplication and division.

3.OA.A.3, MP1, 3.Mod3.AD3

Topic C: Analysis of Patterns Using Units of 9, 0, and 1

Lesson 13: Count by units of 9 to multiply.

3.OA.D.9, MP7, 3.Mod3.AD10

Lesson 14: Apply strategies and identify patterns to multiply with units of 9.

3.OA.B.5, 3.OA.C.7, 3.OA.D.9, MP7, 3.Mod3.AD5, 3.Mod3.AD8, 3.Mod3.AD10

Lesson 15: Reason about and explain patterns of multiplication and division with units of 1 and 0.

3.OA.A.1, 3.OA.A.2, 3.OA.D.9, MP8, 3.Mod1.AD1, 3.Mod1.AD2, 3.Mod3.AD10

Lesson 16: Identify patterns by using the multiplication table.

3.OA.D.9, MP8, 3.Mod3.AD10

Lesson 17: Identify and complete patterns with input-output tables.

3.OA.C.7, 3.OA.D.9, MP1, 3.Mod3.AD8, 3.Mod3.AD10

Lesson 18: Create multiplication and division word problems.

3.OA.A.1, 3.OA.A.2, MP2, 3.Mod3.AD1, 3.Mod3.AD2

Lesson 19: Solve two-step word problems by using the four

Module 4

Lesson 11: Decompose to find the total area of a rectangle.

3.MD.C.7.b, 3.MD.C.7.c, 3.MD.C.7.d, MP4, 3.Mod4.AD5, 3.Mod4.AD6, 3.Mod4.AD7

Lesson 12: Find all possible side lengths of rectangles with a given area.

3.MD.C.7.a, 3.MD.C.7.b, MP3, 3.Mod4.AD4, 3.Mod4.AD5

Topic D: Applications of Area

Lesson 13: Apply area understanding to real-world situations.

3.MD.C.7.b, 3.MD.C.7.c, MP5, 3.Mod4.AD5, 3.Mod4.AD6

Lesson 14: Reason to find the area of composite shapes by using grids.

3.MD.C.7.b, 3.MD.C.7.d, MP2, 3.Mod4.AD5, 3.Mod4.AD7

Lesson 15: Reason to find the area of composite shapes by using rectangles.

3.MD.C.7.b, 3.MD.C.7.d, MP7, 3.Mod4.AD5, 3.Mod4.AD7, 3.Mod4.AD8

Lesson 16: Solve historical math problems involving area.

3.MD.C.5, 3.MD.C.5.a, 3.MD.C.5.b, 3.MD.C.6, MP1, 3.Mod4.AD2, 3.Mod4.AD3

Lesson 17: Apply area concepts to a real-world context.

3.MD.C.7.b, 3.MD.C.7.d, MP4, 3.Mod4.AD5, 3.Mod4.AD7

Module 5

Lesson 11: Locate fractions from 0 to 1 on a number line by using fraction tiles.

3.NF.A.2.a, 3.NF.A.2.b, MP2, 3.Mod5.AD3, 3.Mod5.AD4

Lesson 12: Represent fractions from 0 to 1 on a number line.

3.NF.A.2.a, 3.NF.A.2.b, MP8, 3.Mod5.AD3, 3.Mod5.AD4

Lesson 13: Identify equivalent fractions from 0 to 1 with tape diagrams and on number lines.

3.NF.A.3.a, 3.NF.A.3.b, MP2, 3.Mod5.AD5

Lesson 14: Recognize that equivalent fractions share the same location on a number line.

3.NF.A.3.a, 3.NF.A.3.b, MP7, 3.Mod5.AD5

Lesson 15: Identify fractions on a ruler as numbers on a number line.

3.NF.A.2.a, 3.NF.A.2.b, MP6, 3.Mod5.AD3, 3.Mod5.AD4

Lesson 16: Measure lengths and record data on a line plot.

3.NF.A.3.a, 3.NF.A.3.b, 3.MD.B.4, MP8, 3.Mod5.AD5, 3.Mod5.AD9

Topic D: Comparing Fractions

Lesson 17: Represent fractions greater than 1 on a number line and identify fractions equivalent to whole numbers.

Module 6

Lesson 13: Decompose quadrilaterals to understand perimeter as the boundary of a shape.

3.MD.D.8, MP5, 3.Mod6.AD5

Lesson 14: Measure side lengths in whole number units to determine the perimeters of polygons.

3.MD.D.8, MP7, 3.Mod6.AD5

Lesson 15: Recognize perimeter as an attribute of shapes and solve problems with unknown measurements.

3.MD.D.8, MP7, 3.Mod6.AD5

Lesson 16: Solve problems to determine the perimeters of rectangles with the same area.

3.MD.D.8, MP2, 3.Mod6.AD5, 3.Mod6.AD6

Lesson 17: Solve problems to determine the areas of rectangles with the same perimeter.

3.MD.D.8, MP8, 3.Mod6.AD5, 3.Mod6.AD6

Lesson 18: Solve real-world problems involving perimeter and unknown measurements by using all four operations.

3.MD.D.8, MP1, 3.Mod6.AD5

Topic D: Collecting and Displaying Data

Lesson 19: Measure the perimeter of various circles to the nearest quarter inch by using string.

3.MD.D.8, MP6, 3.Mod6.AD5

Module 1

3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, MP4, 3.Mod1.AD2, 3.Mod1.AD3, 3.Mod1.AD4, 3.Mod1.AD7

Lesson 18: Represent and solve measurement and partitive division word problems.
3.OA.A.2, 3.OA.A.3, MP2, 3.Mod1.AD2, 3.Mod1.AD3

Topic E: Application of Multiplication and Division Concepts

Lesson 19: Use the distributive property to break apart multiplication problems into known facts.
3.OA.B.5, 3.OA.C.7, MP6, 3.Mod1.AD6, 3.Mod1.AD8

Lesson 20: Use the distributive property to break apart division problems into known facts.
3.OA.B.6, 3.OA.C.7, MP3, 3.Mod1.AD7, 3.Mod1.AD8

Lesson 21: Compose and decompose arrays to create expressions with three factors.
3.OA.C.7, MP8, 3.Mod1.AD8

Lesson 22: Represent and solve two-step word problems using the properties of multiplication.
3.OA.A.3, 3.OA.C.7, 3.OA.D.8, MP5, 3.Mod1.AD3, 3.Mod1.AD8, 3.Mod1.AD9

Module 2

Topic D: Two- and Three-Digit Measurement Addition and Subtraction

Lesson 20: Add measurements using the standard algorithm to compose larger units once.
3.NBT.A.2, MP4, 3.Mod2.AD2

Lesson 21: Add measurements using the standard algorithm to compose larger units twice.
3.NBT.A.2, MP5, 3.Mod2.AD2

Lesson 22: Subtract measurements using the standard algorithm to decompose larger units once.
3.NBT.A.2, MP1, 3.Mod2.AD2

Lesson 23: Subtract measurements using the standard algorithm to decompose larger units twice.
3.NBT.A.2, MP6, 3.Mod2.AD2

Lesson 24: Subtract measurements using the standard algorithm to decompose larger units across two place values.
3.NBT.A.2, MP3, 3.Mod2.AD2

Lesson 25: Solve two-step word problems.
3.OA.D.8, MP1, 3.Mod2.AD9

Module 3

operations and assess the reasonableness of solutions.
3.OA.D.8, MP4, 3.Mod3.AD9

Topic D: Multiplication with Multiples of 10 and Further Application of Concepts

Lesson 20: Multiply by multiples of 10 by using the place value chart.
3.NBT.A.3, MP2, 3.Mod3.AD11

Lesson 21: Multiply by multiples of 10 by using place values strategies and the associative property.
3.OA.B.5, 3.NBT.A.3, MP7, 3.Mod3.AD7, 3.Mod3.AD11

Lesson 22: Solve two-step word problems involving multiplication of single-digit factors and multiples of 10.
3.OA.D.8, 3.NBT.A.3, MP4, 3.Mod3.AD9, 3.Mod3.AD11

Lesson 23: Identify patterns and apply strategies to multiply with units of 11 and 12. (Optional)
3.OA.B.5, 3.OA.D.9, MP5, 3.Mod3.AD5, 3.Mod3.AD7, 3.Mod3.AD10

Lesson 24: Organize, count, and represent a collection of objects.
3.OA.B.5, 3.OA.C.7, MP5, 3.Mod3.AD5, 3.Mod3.AD7, 3.Mod3.AD8

Lesson 25: Apply multiplication and division concepts to complete a multi-part task. (Optional)

Module 4

Lesson 18: Find the area of shapes and represent area data on a line plot.
3.MD.C.6, 3.MD.C.7.b, 3.MD.C.7.d, MP6, 3.Mod4.AD3, 3.Mod4.AD5, 3.Mod4.AD7

Lesson 19: Apply area concepts to complete a multi-part task.
3.MD.C.7.b, 3.MD.C.7.d, MP1, 3.Mod4.AD5, 3.Mod4.AD8



Module 5

3.NF.A.3.a, 3.NF.A.3.b, 3.NF.A.3.c, MP7, 3.Mod5.AD5, 3.Mod5.AD6

Lesson 18: Compare fractions with like units by using a number line.
3.NF.A.2.b, 3.NF.A.3.d, MP3, 3.Mod5.AD4, 3.Mod5.AD7

Lesson 19: Compare fractions with unlike units but the same numerator by using number lines.
3.NF.A.3.d, MP1, 3.Mod5.AD7

Lesson 20: Compare fractions with related units by using a number line.
3.NF.A.3.d, MP5, 3.Mod5.AD7

Lesson 21: Compare various fractions by representing them on number lines.
3.NF.A.3.d, MP6, 3.Mod5.AD7

Topic E: Equivalent Fractions

Lesson 22: Identify fractions equivalent to whole numbers by using number lines.
3.NF.A.3.a, 3.NF.A.3.b, 3.NF.A.3.c, MP2, MP8, 3.Mod5.AD5, 3.Mod5.AD6

Lesson 23: Reason to find fractions equivalent to whole numbers by using patterns and number lines.
3.NF.A.3.a, 3.NF.A.3.b, 3.NF.A.3.c, MP5, 3.Mod5.AD5, 3.Mod5.AD6

Lesson 24: Generate equivalent fractions greater than 1 by using a

Module 6

Lesson 20: Record measurement data in a line plot.
3.MD.B.4, MP6, 3.Mod6.AD4

Lesson 21: Create and analyze a line plot for measurement data to the nearest half unit and quarter unit.
3.MD.B.4, MP3, 3.Mod6.AD4

Lesson 22: Generate categorical data and represent it by using a scaled picture graph.
3.MD.B.3, MP1, 3.Mod6.AD3

Lesson 23: Solve problems by creating scaled picture graphs and scaled bar graphs.
3.MD.B.3, MP7, 3.Mod2.AD6, 3.Mod2.AD7, 3.Mod6.AD3

Lesson 24: Organize, count, and represent a collection of objects.
MP5

Lesson 25: Name and count numbers greater than 1,000. (Optional)
MP8

Lesson 26: Fluently multiply and divide within 100 and add and subtract within 1,000.
3.OA.C.7, 3.NBT.A.2, MP3

Module 1

Module 2

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Module 6

Lesson 23: Represent and solve two-step word problems using drawings and equations.
3.OA.A.3, 3.OA.C.7, 3.OA.D.8, MP5, 3.Mod1.AD3, 3.Mod1.AD8, 3.Mod1.AD9

3.OA.A.3, 3.OA.D.8, MP1, 3.Mod3.AD3, 3.Mod3.AD9

number line.
3.NF.A.3.b, 3.NF.A.3.c, MP2, 3.Mod5.AD5, 3.Mod5.AD6

Lesson 25: Express whole numbers as fractions with a denominator of 1.
3.NF.A.3.c, MP4, 3.Mod5.AD6

Lesson 26: Create a ruler with 1-inch, half-inch, and quarter-inch intervals.
3.NF.A.2.b, 3.NF.A.3.b, MP7, 3.Mod5.AD4, 3.Mod5.AD5

Lesson 27: Apply fraction concepts to complete a multi-part task. (Optional)
3.NF.A.1, 3.NF.A.2.b, 3.NF.A.3.d, MP4, 3.Mod5.AD2, 3.Mod5.AD4, 3.Mod5.AD7

Module 1 Place Value Concepts for Addition and Subtraction	Module 2 Place Value Concepts for Multiplication and Division	Module 3 Multiplication and Division of Multi-Digit Numbers	Module 4 Foundations for Fraction Operations	Module 5 Place Value Concepts for Decimal Fractions	Module 6 Angle Measurements and Plane Figures
<p>Topic A: Multiplication as Multiplicative Comparison</p> <p>Lesson 1: Interpret multiplication as multiplicative comparison. 4.OA.A.1, 4.OA.A.2, MP7, 4.Mod1.AD1, 4.Mod1.AD2, 4.Mod1.AD3</p> <p>Lesson 2: Solve multiplicative comparison problems with unknowns in various positions. 4.OA.A.1, 4.OA.A.2, MP7, 4.Mod1.AD1, 4.Mod1.AD2, 4.Mod1.AD3</p> <p>Lesson 3: Describe relationships between measurements by using multiplicative comparison. 4.OA.A.1, 4.OA.A.2, MP2, 4.Mod1.AD1, 4.Mod1.AD2, 4.Mod1.AD3</p> <p>Lesson 4: Represent the composition of larger units of money by using multiplicative comparison.</p>	<p>Topic A: Compose and Decompose Units of Ten</p> <p>Lesson 1: Multiply multiples of 10 by one-digit numbers by using the associative property of multiplication. 4.NBT.B.5, MP7, 4.Mod2.AD6</p> <p>Lesson 2: Divide two- and three-digit multiples of 10 by one-digit numbers. 4.NBT.B.6, MP2, 4.Mod2.AD7</p> <p>Lesson 3: Investigate and use a formula for the area of a rectangle. 4.MD.A.3, MP1, 4.Mod2.AD11</p> <hr/> <p>Topic B: Multiplication of Tens and Ones by One-Digit Numbers</p> <p>Lesson 4: Multiply by using familiar strategies. 4.NBT.B.5, MP5, 4.Mod2.AD6</p>	<p>Topic A: Multiplication and Division of Multiples of Tens, Hundreds, and Thousands</p> <p>Lesson 1: Divide multiples of 100 and 1000. 4.NBT.B.6, MP8, 4.Mod3.AD3</p> <p>Lesson 2: Multiply by multiples of 100 and 1000. 4.NBT.B.5, MP7, 4.Mod3.AD2</p> <p>Lesson 3: Multiply a two-digit multiple of 10 by a two-digit multiple of 10. 4.NBT.B.5, MP3, 4.Mod3.AD2</p> <hr/> <p>Topic B: Division of Thousands, Hundreds, Tens, and Ones</p> <p>Lesson 4: Apply place value strategies to divide hundreds, tens, and ones. 4.NBT.B.6, MP1, 4.Mod3.AD3</p>	<p>Topic A: Fraction Decomposition and Equivalence</p> <p>Lesson 1: Decompose whole numbers into a sum of unit fractions. NF.B.3.a, 4.NF.B.3.b, MP7, 4.Mod4.AD4</p> <p>Lesson 2: Decompose fractions into a sum of unit fractions. 4.NF.B.3.a, 4.NF.B.3.b, MP2, 4.Mod4.AD4</p> <p>Lesson 3: Decompose fractions into a sum of fractions. 4.NF.B.3.a, 4.NF.B.3.b, MP6, 4.Mod4.AD4</p> <p>Lesson 4: Represent fractions by using various fraction models. 4.NF.B.3.a, 4.NF.B.3.b, MP4, 4.Mod4.AD4</p> <p>Lesson 5: Rename fractions greater than 1 as mixed numbers.</p>	<p>Topic A: Exploration of Tenths</p> <p>Lesson 1: Organize, count, and represent a collection of money. 4.NF.C.6, MP5, 4.Mod5.AD3</p> <p>Lesson 2: Decompose 1 one and express tenths in fraction form and decimal form. 4.NF.C.6, MP8, 4.Mod5.AD3</p> <p>Lesson 3: Represent tenths as a place value unit. 4.NF.C.6, MP7, 4.Mod5.AD3</p> <p>Lesson 4: Write mixed numbers in decimal form with tenths. 4.NF.C.6, MP6, 4.Mod5.AD3</p> <hr/> <p>Topic B: Tenths and Hundredths</p> <p>Lesson 5: Decompose 1 one and express hundredths in fraction form and decimal form.</p>	<p>Topic A: Lines and Angles</p> <p>Lesson 1: Identify and draw points, lines, line segments, rays, and angles. 4.G.A.1, MP6, 4.Mod6.AD4, 4.Mod6.AD5</p> <p>Lesson 2: Identify right, acute, obtuse, and straight angles. 4.G.A.1, MP7, 4.Mod6.AD4, 4.Mod6.AD5</p> <p>Lesson 3: Draw right, acute, obtuse, and straight angles. 4.G.A.1, MP6, 4.Mod6.AD4, 4.Mod6.AD5</p> <p>Lesson 4: Identify, define, and draw perpendicular lines. 4.G.A.1, MP6, 4.Mod6.AD4, 4.Mod6.AD5</p> <p>Lesson 5: Identify, define, and draw parallel lines. 4.G.A.1, MP6, 4.Mod6.AD4, 4.Mod6.AD5</p>

Module 1

4.OA.A.1, 4.OA.A.2, MP7,
4.Mod1.AD1, 4.Mod1.AD2,
4.Mod1.AD3

Topic B: Place Value and Comparison within 1,000,000

Lesson 5: Organize, count, and represent a collection of objects.
4.NBT.A.2, MP5, 4.Mod1.AD7

Lesson 6: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right.
4.OA.A.1, 4.NBT.A.1, MP8,
4.Mod1.AD1, 4.Mod1.AD2,
4.Mod1.AD6

Lesson 7: Write numbers to 1,000,000 in unit form and expanded form by using place value structure.
4.NBT.A.2, MP7, 4.Mod1.AD7

Lesson 8: Write numbers to 1,000,000 in standard form and word form.
4.NBT.A.2, MP3, 4.Mod1.AD7

Lesson 9: Compare numbers within 1,000,000 by using $>$, $=$, and $<$.
4.NBT.A.2, MP6, 4.Mod1.AD8

Topic C: Rounding Multi-Digit Whole Numbers

Lesson 10: Name numbers by using place value understanding.
4.NBT.A.2, MP8, 4.Mod1.AD7

Module 2

Lesson 5: Multiply by using place value strategies and the distributive property.
4.NBT.B.5, MP7, 4.Mod2.AD6

Lesson 6: Multiply with regrouping by using place value strategies and the distributive property.
4.NBT.B.5, MP6, 4.Mod2.AD6

Lesson 7: Multiply by using an area model and the distributive property.
4.NBT.B.5, 4.MD.A.3, MP7,
4.Mod2.AD6, 4.Mod2.AD11

Lesson 8: Multiply by applying the distributive property and write equations.
4.NBT.B.5, MP3, 4.Mod2.AD6

Lesson 9: Solve multiplication word problems.
4.OA.A.2, 4.NBT.B.5, MP5,
4.Mod2.AD1, 4.Mod2.AD6

Lesson 10: Multiply by applying simplifying strategies. (Optional)
4.NBT.B.5, MP5, 4.Mod2.AD6

Topic C: Division of Tens and Ones by One-Digit Numbers

Lesson 11: Divide by using familiar strategies.
4.NBT.B.6, MP2, 4.Mod2.AD7

Lesson 12: Divide two-digit numbers by one-digit numbers by using an area model.
4.NBT.B.6, MP7, 4.Mod2.AD7

Module 3

Lesson 5: Apply place value strategies to divide thousands, hundreds, tens, and ones.
4.NBT.B.6, MP5, 4.Mod3.AD3

Lesson 6: Connect pictorial representations of division to long division.
4.NBT.B.6, MP6, 4.Mod3.AD3

Lesson 7: Represent division by using partial quotients.
4.NBT.B.6, MP8, 4.Mod3.AD3

Lesson 8: Choose and apply a method to divide multi-digit numbers.
4.NBT.B.6, MP6, 4.Mod3.AD3

Topic C: Multiplication of up to Four-Digit Numbers by One-Digit Numbers

Lesson 9: Apply place value strategies to multiply three-digit numbers by one-digit numbers.
4.NBT.B.5, MP5, 4.Mod3.AD2

Lesson 10: Apply place value strategies to multiply four-digit numbers by one-digit numbers.
4.NBT.B.5, MP7, 4.Mod3.AD2

Lesson 11: Represent multiplication by using partial products.
4.NBT.B.5, MP8, 4.Mod3.AD2

Lesson 12: Multiply by using various recording methods in vertical form.
4.NBT.B.5, MP6, 4.Mod3.AD2

Module 4

4.NF.B.3.a, 4.NF.B.3.b, MP7,
4.Mod4.AD4

Lesson 6: Rename mixed numbers as fractions greater than 1.
4.NF.B.3.a, 4.NF.B.3.b, MP5,
4.Mod4.AD4

Topic B: Equivalent Fractions

Lesson 7: Rename fractions as a sum of equivalent smaller unit fractions.
4.NF.B.3.a, 4.NF.B.3.b, MP2,
4.Mod4.AD4

Lesson 8: Generate equivalent fractions with smaller units for unit fractions.
4.NF.A.1, MP8, 4.Mod4.AD1,
4.Mod4.AD2

Lesson 9: Generate equivalent fractions with smaller units for non-unit fractions.
4.NF.A.1, MP7, 4.Mod4.AD1,
4.Mod4.AD2

Lesson 10: Generate equivalent fractions with larger units.
4.NF.A.1, MP6, 4.Mod4.AD1,
4.Mod4.AD2

Lesson 11: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division.
4.NF.A.1, MP8, 4.Mod4.AD1,
4.Mod4.AD2

Lesson 12: Generate equivalent fractions for fractions greater than

Module 5

4.NF.C.5, 4.NF.C.6, MP2,
4.Mod5.AD1, 4.Mod5.AD3

Lesson 6: Represent hundredths as a place value unit.
4.NF.C.5, 4.NF.C.6, MP3,
4.Mod5.AD1, 4.Mod5.AD3

Lesson 7: Write mixed numbers in decimal form with hundredths.
4.NF.C.5, 4.NF.C.6, MP7,
4.Mod5.AD1, 4.Mod5.AD3

Lesson 8: Represent decimal numbers in expanded form.
4.NF.C.5, 4.NF.C.6, MP2,
4.Mod5.AD1, 4.Mod5.AD3

Topic C: Comparison of Decimal Numbers

Lesson 9: Compare measurements expressed as decimal numbers.
4.NF.C.7, MP2, 4.Mod5.AD4

Lesson 10: Use pictorial representations to compare decimal numbers.
4.NF.C.7, MP5, 4.Mod5.AD4

Lesson 11: Compare and order decimal numbers.
4.NF.C.7, MP3, 4.Mod5.AD4

Topic D: Addition of Tenths and Hundredths

Lesson 12: Apply fraction equivalence to add tenths and hundredths.
4.NF.C.5, MP1, 4.Mod5.AD2

Module 6

Lesson 6: Relate geometric figures to a real-world context.
4.G.A.1, MP2, 4.Mod6.AD4,
4.Mod6.AD5

Topic B: Angle Measurement

Lesson 7: Explore angles as fractional turns through a circle.
4.MD.C.5.a, MP7, 4.Mod6.AD1

Lesson 8: Use a circular protractor to recognize a 1° angle as a turn through $\frac{1}{360}$ of a circle.
4.MD.C.5, 4.MD.C.6, MP8,
4.Mod6.AD1, 4.Mod6.AD2

Lesson 9: Identify and measure angles as turns and recognize them in various contexts.
4.MD.C.5, 4.MD.C.5.a,
4.MD.C.5.b, MP2, 4.Mod6.AD1

Lesson 10: Use 180° protractors to measure angles.
4.MD.C.5, 4.MD.C.5.a,
4.MD.C.5.b, 4.MD.C.6, 4.G.A.1,
MP6, 4.Mod6.AD1,
4.Mod6.AD2, 4.Mod6.AD4

Lesson 11: Estimate and measure angles with a 180° protractor.
4.MD.C.5, 4.MD.C.5.a,
4.MD.C.5.b, 4.MD.C.6, 4.G.A.1,
MP6, 4.Mod6.AD1,
4.Mod6.AD2, 4.Mod6.AD4

Lesson 12: Use a protractor to draw angles up to 180° .
4.MD.C.6, 4.G.A.1, MP6,
4.Mod6.AD2, 4.Mod6.AD4

Module 1

Lesson 11: Find 1, 10, and 100 thousand more than and less than a given number.
4.NBT.A.2, MP1, 4.Mod1.AD7

Lesson 12: Round to the nearest thousand.
4.NBT.A.3, MP6, 4.Mod1.AD9

Lesson 13: Round to the nearest ten thousand and hundred thousand.
4.NBT.A.3, MP6, 4.Mod1.AD9

Lesson 14: Round multi-digit numbers to any place.
4.NBT.A.3, MP8, 4.Mod1.AD9

Lesson 15: Apply estimation to real-world situations by using rounding.
4.OA.A.3, 4.NBT.A.3, MP3, 4.Mod1.AD4, 4.Mod1.AD9

Topic D: Multi-Digit Whole Number Addition and Subtraction

Lesson 16: Add by using the standard algorithm.
4.OA.A.3, 4.NBT.B.4, MP4, 4.Mod1.AD4, 4.Mod1.AD10

Lesson 17: Solve multi-step addition word problems by using the standard algorithm.
4.OA.A.3, 4.NBT.B.4, MP2, 4.Mod1.AD5, 4.Mod1.AD10

Lesson 18: Subtract by using the standard algorithm, decomposing larger units once.
4.NBT.B.4, MP6, 4.Mod1.AD10

Module 2

Lesson 13: Divide three-digit numbers by one-digit numbers by using an area model.
4.NBT.B.6, MP3, 4.Mod2.AD7

Lesson 14: Divide two-digit numbers by one-digit numbers by using place value strategies.
4.NBT.B.6, MP6, 4.Mod2.AD7

Lesson 15: Divide three-digit numbers by one-digit numbers by using place value strategies.
4.NBT.B.6, MP7, 4.Mod2.AD7

Lesson 16: Divide by using the break apart and distribute strategy.
4.NBT.B.6, MP1, 4.Mod2.AD7

Topic D: Problem Solving with Measurement

Lesson 17: Express measurements of length in terms of smaller units.
4.MD.A.1, 4.MD.A.2, MP8, 4.Mod2.AD8, 4.Mod2.AD9, 4.Mod2.AD10

Lesson 18: Investigate and use formulas for the perimeter of a rectangle.
4.MD.A.3, MP4, 4.Mod2.AD11

Lesson 19: Apply area and perimeter formulas to solve problems.
4.MD.A.3, MP2, 4.Mod2.AD11

Lesson 20: Solve word problems involving additive and multiplicative comparisons.

Module 3

Topic D: Multiplication of Two-Digit Numbers by Two-Digit Numbers

Lesson 13: Multiply two-digit numbers by two-digit multiples of 10.
4.NBT.B.5, MP5, 4.Mod3.AD2

Lesson 14: Apply place value strategies to multiply two-digit numbers by two-digit numbers.
4.NBT.B.5, MP2, 4.Mod3.AD2

Lesson 15: Multiply with four partial products.
4.NBT.B.5, MP6, 4.Mod3.AD2

Lesson 16: Multiply with two partial products.
4.NBT.B.5, MP7, 4.Mod3.AD2

Lesson 17: Apply the distributive property to multiply.
4.NBT.B.5, MP2, 4.Mod3.AD2

Topic E: Problem Solving with Measurement

Lesson 18: Express units of time in terms of smaller units.
4.MD.A.1, 4.MD.A.2, MP1, 4.Mod3.AD4, 4.Mod3.AD5

Lesson 19: Express customary measurements of weight in terms of smaller units.
4.MD.A.1, 4.MD.A.2, MP4, 4.Mod3.AD4, 4.Mod3.AD5

Module 4

1 and generate equivalent mixed numbers.
4.NF.A.1, MP3, 4.Mod4.AD1, 4.Mod4.AD2

Topic C: Compare Fractions

Lesson 13: Compare fractions by using the benchmarks 0 , $\frac{1}{2}$, and 1 .
4.NF.A.2, MP3, 4.Mod4.AD3

Lesson 14: Compare fractions with related denominators.
4.NF.A.2, MP5, 4.Mod4.AD3

Lesson 15: Compare fractions with related numerators.
4.NF.A.2, MP5, 4.Mod4.AD3

Lesson 16: Generate a common numerator or denominator to compare fractions.
4.NF.A.2, MP1, 4.Mod4.AD3

Lesson 17: Apply fraction comparison strategies to compare fractions greater than 1.
4.NF.A.2, MP7, 4.Mod4.AD3

Topic D: Add and Subtract Fractions

Lesson 18: Estimate sums and differences of fractions by using benchmarks.
4.NF.B.3.a, 4.NF.B.3.b, 4.NF.B.3.d, MP3, 4.Mod4.AD4, 4.Mod4.AD7

Lesson 19: Add and subtract fractions with like units.

Module 5

Lesson 13: Apply fraction equivalence to add mixed numbers with tenths and hundredths.
4.NF.C.5, MP7, 4.Mod5.AD2

Lesson 14: Solve word problems with tenths and hundredths.
4.NF.C.5, 4.MD.A.2, MP4, 4.Mod5.AD2, 4.Mod5.AD5

Module 6

Topic C: Determine Unknown Angle Measures

Lesson 13: Decompose angles by using pattern blocks.
4.MD.C.7, MP2, 4.Mod6.AD3

Lesson 14: Find unknown angle measures within right and straight angles.
4.MD.C.7, MP7, 4.Mod6.AD3

Lesson 15: Find unknown angle measures within a decomposed angle of up to 180° .
4.MD.C.7, MP5, 4.Mod6.AD3

Lesson 16: Find unknown angle measures around a point.
4.MD.C.7, MP1, 4.Mod6.AD3

Topic D: Two-Dimensional Figures and Symmetry

Lesson 17: Recognize, identify, and draw lines of symmetry.
4.G.A.3, MP7, 4.Mod6.AD7

Lesson 18: Analyze and classify triangles based on side length, angle measures, or both.
4.G.A.1, 4.G.A.2, MP3, 4.Mod6.AD5, 4.Mod6.AD6

Lesson 19: Construct and classify triangles based on given attributes.
4.G.A.1, 4.G.A.2, MP6, 4.Mod6.AD5, 4.Mod6.AD6

Module 1

Lesson 19: Subtract by using the standard algorithm, decomposing larger units up to 3 times.
4.NBT.B.4, MP1, 4.Mod1.AD10

Lesson 20: Subtract by using the standard algorithm, decomposing larger units multiple times.
4.NBT.B.4, MP7, 4.Mod1.AD10

Lesson 21: Solve two-step word problems by using addition and subtraction.
4.OA.A.3, 4.NBT.B.4, MP4, 4.Mod1.AD5, 4.Mod1.AD10

Lesson 22: Solve multi-step word problems by using addition and subtraction.
4.OA.A.3, 4.NBT.B.4, MP2, 4.Mod1.AD5, 4.Mod1.AD10

Topic E: Metric Measurement Conversion Tables

Lesson 23: Express metric measurements of length in terms of smaller units.
4.MD.A.1, 4.MD.A.2, MP7, 4.Mod1.AD11, 4.Mod1.AD12

Lesson 24: Express metric measurements of mass and liquid volume in terms of smaller units.
4.MD.A.1, 4.MD.A.2, MP5, 4.Mod1.AD11, 4.Mod1.AD12



Module 2

4.OA.A.2, 4.MD.A.2, 4.MD.A.3, MP1, 4.Mod2.AD1, 4.Mod2.AD9, 4.Mod2.AD10, 4.Mod2.AD11

Topic E: Factors and Multiples

Lesson 21: Find factor pairs for numbers up to 100 and use factors to identify numbers as prime or composite.
4.OA.B.4, MP6, 4.Mod2.AD2, 4.Mod2.AD4

Lesson 22: Use division and the associative property of multiplication to find factors.
4.OA.B.4, MP3, 4.Mod2.AD2, 4.Mod2.AD4

Lesson 23: Determine whether a whole number is a multiple of another number.
4.OA.B.4, MP7, 4.Mod2.AD3

Lesson 24: Recognize that a number is a multiple of each of its factors.
4.OA.B.4, MP8, 4.Mod2.AD3

Lesson 25: Explore properties of prime and composite numbers up to 100 by using multiples.
4.OA.B.4, MP3, 4.Mod2.AD3, 4.Mod2.AD4

Lesson 26: Use relationships within a pattern to find an unknown term in the sequence.
4.OA.C.5, MP6, 4.Mod2.AD5



Module 3

Lesson 20: Express customary measurements of liquid volume in terms of smaller units.
4.MD.A.1, 4.MD.A.2, MP5, 4.Mod3.AD4, 4.Mod3.AD5

Topic F: Remainders, Estimating, and Problem Solving

Lesson 21: Find whole-number quotients and remainders.
4.OA.A.3, 4.NBT.B.6, MP2, 4.Mod3.AD1, 4.Mod3.AD3

Lesson 22: Represent, estimate, and solve division word problems.
4.OA.A.3, 4.NBT.B.6, MP1, 4.Mod3.AD1, 4.Mod3.AD3

Lesson 23: Solve multi-step word problems and interpret remainders.
4.OA.A.3, MP4, 4.Mod3.AD1

Lesson 24: Solve multi-step word problems and assess the reasonableness of solutions.
4.OA.A.3, MP3, 4.Mod3.AD1



Module 4

4.NF.B.3.a, 4.NF.B.3.b, MP4, 4.Mod4.AD4

Lesson 20: Subtract a fraction from a whole number.
4.NF.B.3.a, 4.NF.B.3.b, 4.NF.B.3.d, 4.MD.A.2, MP1, 4.Mod4.AD4, 4.Mod4.AD7

Lesson 21: Solve addition and subtraction word problems and estimate the reasonableness of the answers.
4.NF.B.3.a, 4.NF.B.3.b, 4.NF.B.3.d, 4.MD.A.2, MP1, 4.Mod4.AD4, 4.Mod4.AD7

Lesson 22: Add two fractions with related units. (Optional)
4.NF.B.3.a, 4.NF.B.3.b, MP5, 4.Mod4.AD4

Topic E: Add and Subtract Mixed Numbers

Lesson 23: Add a fraction to a mixed number.
4.NF.B.3.c, MP7, 4.Mod4.AD5

Lesson 24: Add a mixed number to a mixed number.
4.NF.B.3.c, 4.NF.B.3.d, MP7, 4.Mod4.AD5, 4.Mod4.AD7

Lesson 25: Subtract a fraction from a mixed number, part 1.
4.NF.B.3.c, MP6, 4.Mod4.AD6

Lesson 26: Subtract a fraction from a mixed number, part 2.
4.NF.B.3.c, MP7, 4.Mod4.AD6



Module 5



Module 6

Lesson 20: Sort polygons based on a given rule.
4.G.A.1, 4.G.A.2, MP1, 4.Mod6.AD5, 4.Mod6.AD6



Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

Lesson 27: Subtract a mixed number from a mixed number.
4.NF.B.3.c, 4.NF.B.3.d, 4.MD.A.2, MP2, 4.Mod4.AD6, 4.Mod4.AD7

Lesson 28: Represent and solve word problems with mixed numbers by using drawings and equations.
4.NF.B.3.d, 4.MD.A.2, MP4, 4.Mod4.AD7

Lesson 29: Solve problems by using data from a line plot.
4.MD.B.4, MP1, 4.Mod4.AD11

Lesson 30: Represent data on a line plot.
4.MD.B.4, MP6, 4.Mod4.AD11

Topic F: Repeated Addition of Fractions as Multiplication

Lesson 31: Decompose non-unit fractions into a product of a whole number and a unit fraction.
4.NF.B.4.a, MP7, 4.Mod4.AD8

Lesson 32: Multiply a fraction by a whole number by using the associative property.
4.NF.B.4.b, MP8, 4.Mod4.AD9

Lesson 33: Solve word problems involving multiplication of a fraction by a whole number.
4.NF.B.4.b, 4.NF.B.4.c, 4.MD.A.2, MP2, 4.Mod4.AD9, 4.Mod4.AD10

Lesson 34: Multiply a mixed number by a whole number by using the distributive property.
4.NF.B.4.b, MP3, 4.Mod4.AD9

Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

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Module 1 Place Value Concepts for Multiplication and Division with Whole Numbers	Module 2 Addition and Subtraction with Fractions	Module 3 Multiplication and Division with Fractions	Module 4 Place Value Concepts for Decimal Operations	Module 5 Addition and Multiplication with Area and Volume	Module 6 Foundations to Geometry in the Coordinate Plane
<p>Topic A: Place Value Understanding for Whole Numbers</p> <p>Lesson 1: Relate adjacent place value units by using place value understanding. 5.NBT.A.1, MP5, 5.Mod1.AD6</p> <p>Lesson 2: Multiply and divide by 10, 100, and 1,000 and identify patterns in the products and quotients. 5.NBT.A.1, 5.NBT.A.2, MP8, 5.Mod1.AD6, 5.Mod1.AD7</p> <p>Lesson 3: Use exponents to multiply and divide by powers of 10. 5.NBT.A.2, MP3, 5.Mod1.AD7, 5.Mod1.AD8</p> <p>Lesson 4: Estimate products and quotients by using powers of 10 and their multiples. 5.NBT, 5.NBT.A.2, MP7, 5.Mod1.AD5, 5.Mod1.AD7</p>	<p>Topic A: Fractions and Division</p> <p>Lesson 1: Interpret a fraction as division. 5.NF.B.3, MP7, 5.Mod2.AD8, 5.Mod2.AD9, 5.Mod2.AD10</p> <p>Lesson 2: Interpret a fraction as division by writing remainders as fractions. 5.NF.B.3, MP5, 5.Mod2.AD9, 5.Mod2.AD10</p> <p>Lesson 3: Represent fractions as division by using models. 5.NF.B.3, MP2, 5.Mod2.AD9, 5.Mod2.AD10</p> <p>Lesson 4: Solve word problems involving division and fractions. 5.NF, 5.NF.B.3, MP1, 5.Mod2.AD1, 5.Mod2.AD9, 5.Mod2.AD10</p>	<p>Topic A: Multiplication of a Whole Number by a Fraction</p> <p>Lesson 1: Find fractions of a set with arrays. 5.NF.B.4.a, 5.NF.B.5.b, MP8, 5.Mod3.AD7, 5.Mod3.AD9</p> <p>Lesson 2: Interpret fractions as division to find fractions of a set with tape diagrams and number lines. 5.NF.B.4.a, 5.NF.B.5.b, MP4, 5.Mod3.AD7, 5.Mod3.AD9</p> <p>Lesson 3: Multiply a whole number by a fraction less than 1. 5.NF.B.4, 5.NF.B.4.a, 5.NF.B.5.a, MP5, 5.Mod3.AD6, 5.Mod3.AD7, 5.Mod3.AD8</p> <p>Lesson 4: Multiply a whole number by a fraction. 5.NF.B.4.a, 5.NF.B.5.a, 5.NF.B.5.b, MP2, 5.Mod3.AD7, 5.Mod3.AD8, 5.Mod3.AD9</p>	<p>Topic A: Understanding Decimal Numbers with Place Value and Fraction Thinking</p> <p>Lesson 1: Model and relate decimal place value units to thousandths. 5.NBT.A, 5.NBT.A.1, 5.NBT.A.3.a, MP8, 5.Mod4.AD5, 5.Mod4.AD6, 5.Mod4.AD9</p> <p>Lesson 2: Represent thousandths as a place value unit. 5.NBT.A, 5.NBT.A.1, 5.NBT.A.3.a, MP7, 5.Mod4.AD5, 5.Mod4.AD6, 5.Mod4.AD9</p> <p>Lesson 3: Represent decimal numbers to the thousandths place in different forms. 5.NBT.A, 5.NBT.A.1, 5.NBT.A.3.a, MP7, 5.Mod4.AD5, 5.Mod4.AD6, 5.Mod4.AD9</p> <p>Lesson 4: Relate the values of digits in a decimal number by using place value understanding. 5.NBT.A.1, MP6, 5.Mod4.AD6</p>	<p>Topic A: Drawing, Analysis, and Classification of Two-Dimensional Figures</p> <p>Lesson 1: Analyze hierarchies and identify properties of quadrilaterals. 5.G.B.3, 5.G.B.4, MP8, 5.Mod5.AD13, 5.Mod5.AD14</p> <p>Lesson 2: Classify trapezoids based on their properties. 5.G.B.3, 5.G.B.4, MP7, 5.Mod5.AD13, 5.Mod5.AD14</p> <p>Lesson 3: Classify parallelograms based on their properties. 5.G.B.3, 5.G.B.4, MP3, 5.Mod5.AD13, 5.Mod5.AD14</p> <p>Lesson 4: Classify rectangles and rhombuses based on their properties. 5.G.B.3, 5.G.B.4, MP6, 5.Mod5.AD13, 5.Mod5.AD14</p> <p>Lesson 5: Classify kites and squares based on their properties.</p>	<p>Topic A: Coordinate Systems</p> <p>Lesson 1: Construct a coordinate system on a line. 5.G.A.1, MP6, 5.Mod6.AD3</p> <p>Lesson 2: Construct a coordinate system in a plane. 5.G.A.1, MP7, 5.Mod6.AD3</p> <p>Lesson 3: Identify and plot points by using ordered pairs. 5.G.A.1, MP1, 5.Mod6.AD3</p> <p>Lesson 4: Describe the distance and direction between points in the coordinate plane. 5.G.A.2, MP2, 5.Mod6.AD4, 5.Mod6.AD5</p> <hr/> <p>Topic B: Patterns in the Coordinate Plane</p> <p>Lesson 5: Identify properties of horizontal and vertical lines. 5.G.A.2, MP8, 5.Mod6.AD5</p>

Module 1

Lesson 5: Convert measurements and describe relationships between metric units.
5.MD.A.1, MP6, 5.Mod1.AD12

Lesson 6: Solve multi-step word problems by using metric measurement conversion.
5.MD.A.1, MP2, 5.Mod1.AD12

Topic B: Multiplication of Whole Numbers

Lesson 7: Multiply by using familiar methods.
5.OA.A.1, 5.NBT.B.5, MP5, 5.Mod1.AD1, 5.Mod1.AD2, 5.Mod1.AD9

Lesson 8: Multiply two- and three-digit numbers by two-digit numbers by using the distributive property.
5.OA.A.1, 5.NBT.B.5, MP8, 5.Mod1.AD1, 5.Mod1.AD2, 5.Mod1.AD9

Lesson 9: Multiply two- and three-digit numbers by two-digit numbers by using the standard algorithm.
5.NBT.B.5, MP6, 5.Mod1.AD9

Lesson 10: Multiply three- and four-digit numbers by three-digit numbers by using the standard algorithm.
5.NBT.B.5, MP6, 5.Mod1.AD9

Lesson 11: Multiply two multi-digit numbers by using the standard algorithm.
5.NBT.B.5, MP3, 5.Mod1.AD9

Module 2

Topic B: Addition and Subtraction of Fractions by Making Like Units

Lesson 5: Add and subtract fractions with related units by using pictorial models.
5.NF.A, MP6, 5.Mod2.AD2, 5.Mod2.AD3

Lesson 6: Add and subtract fractions with related units by using area models to rename fractions.
5.NF.A, MP7, 5.Mod2.AD2

Lesson 7: Add and subtract fractions with related units by finding equivalent fractions numerically.
5.NF.A, 5.NF.A.1, MP5, 5.Mod2.AD2, 5.Mod2.AD4

Lesson 8: Add and subtract fractions with unrelated units by finding equivalent fractions pictorially.
5.NF.A, 5.NF.A.1, MP8, 5.Mod2.AD3, 5.Mod2.AD4

Lesson 9: Add and subtract fractions with unrelated units by finding equivalent fractions numerically.
5.NF.A, 5.NF.A.1, MP5, 5.Mod2.AD2, 5.Mod2.AD4

Topic C: Addition and Subtraction of Fractions, Whole Numbers, and Mixed Numbers

Module 3

Lesson 5: Convert larger customary measurement units to smaller measurement units.
5.NF.B.4.a, 5.NF.B.5.b, 5.MD.A.1, MP6, 5.Mod3.AD7, 5.Mod3.AD9, 5.Mod3.AD14

Lesson 6: Convert smaller customary measurement units to larger measurement units.
5.NF.B.4.a, 5.NF.B.5.b, 5.MD.A.1, MP7, 5.Mod3.AD7, 5.Mod3.AD9, 5.Mod3.AD14

Topic B: Multiplication of Fractions

Lesson 7: Multiply fractions less than 1 by unit fractions pictorially.
5.NF.B.4.a, 5.NF.B.5.a, 5.NF.B.5.b, MP6, 5.Mod3.AD7, 5.Mod3.AD8, 5.Mod3.AD9

Lesson 8: Multiply fractions less than 1 pictorially.
5.NF.B.4.a, 5.NF.B.5.a, 5.NF.B.5.b, MP3, 5.Mod3.AD7, 5.Mod3.AD8, 5.Mod3.AD9

Lesson 9: Multiply fractions by unit fractions by making simpler problems.
5.NF.B.4, 5.NF.B.5.a, 5.NF.B.5.b, MP8, 5.Mod3.AD6, 5.Mod3.AD8, 5.Mod3.AD9

Lesson 10: Multiply fractions greater than 1 by fractions.
5.NF.B.4, 5.NF.B.5.a, 5.NF.B.5.b, MP7, 5.Mod3.AD6, 5.Mod3.AD8, 5.Mod3.AD9

Module 4

Lesson 5: Multiply and divide decimal numbers by powers of 10.
5.NBT.A.2, MP8, 5.Mod4.AD7

Lesson 6: Compare decimal numbers to the thousandths place.
5.NBT.A.3, 5.NBT.A.3.b, MP5, 5.Mod4.AD8, 5.Mod4.AD10

Lesson 7: Round decimal numbers to the nearest one, tenth, or hundredth.
5.NBT.A.4, MP6, 5.Mod4.AD11

Lesson 8: Round decimal numbers to any place value unit.
5.NBT.A.4, MP3, 5.Mod4.AD11

Topic B: Addition and Subtraction of Decimal Numbers

Lesson 9: Add decimal numbers by using different methods.
5.NBT.B, 5.NBT.B.7, MP5, 5.Mod4.AD12, 5.Mod4.AD14, 5.Mod4.AD19

Lesson 10: Add decimal numbers by using place value understanding.
5.NBT.B.7, MP1, 5.Mod4.AD14, 5.Mod4.AD18, 5.Mod4.AD19

Lesson 11: Subtract decimal numbers by using different methods.
5.NBT.B.7, MP7, 5.Mod4.AD15, 5.Mod4.AD18, 5.Mod4.AD19

Lesson 12: Subtract decimal numbers by using place value understanding.

Module 5

5.G.B.3, 5.G.B.4, MP6, 5.Mod5.AD13, 5.Mod5.AD14

Lesson 6: Identify quadrilaterals from given properties.
5.G.B.3, 5.G.B.4, MP1, 5.Mod5.AD13, 5.Mod5.AD14

Lesson 7: Classify quadrilaterals in a hierarchy based on properties.
5.G.B.3, 5.G.B.4, MP7, 5.Mod5.AD13, 5.Mod5.AD14

Topic B: Areas of Rectangular Figures with Fraction Side Lengths

Lesson 8: Find areas of square tiles with fraction side lengths by relating the tile to a unit square.
5.NF.B.4.b, MP7, 5.Mod5.AD2

Lesson 9: Organize, count, and represent a collection of square tiles.
5.NF.B.4.b, MP5, 5.Mod5.AD2

Lesson 10: Find the area of a rectangle with fraction side lengths by relating the rectangle to a unit square.
5.NF.B.5.b, MP7, 5.Mod5.AD2

Lesson 11: Find areas of rectangles with fraction side lengths by using multiplication.
5.NF.B.4.b, MP8, 5.Mod5.AD3

Lesson 12: Multiply mixed numbers.
5.NF.B.4, 5.NF.B.4.b, MP5, 5.Mod5.AD1, 5.Mod5.AD4

Module 6

Lesson 6: Use properties of horizontal and vertical lines to solve problems.
5.G.A.2, MP6, 5.Mod6.AD5

Lesson 7: Generate number patterns to form ordered pairs.
5.OA.B.3, 5.G.A.2, MP7, 5.Mod6.AD1, 5.Mod6.AD2, 5.Mod6.AD5

Lesson 8: Identify addition and subtraction relationships between corresponding terms in number patterns.
5.OA.B.3, 5.G.A.2, MP8, 5.Mod6.AD1, 5.Mod6.AD2, 5.Mod6.AD5

Lesson 9: Identify multiplication and division relationships between corresponding terms in number patterns.
5.OA.B.3, 5.G.A.2, MP8, 5.Mod6.AD1, 5.Mod6.AD2, 5.Mod6.AD5

Lesson 10: Identify mixed-operation relationships between corresponding terms in number patterns. (Optional)
MP7

Topic C: Solve Mathematical Problems in the Coordinate Plane

Lesson 11: Draw lines in the coordinate plane and identify points on the lines.
5.OA.B.3, 5.G.A.2, MP3, 5.Mod6.AD2, 5.Mod6.AD5

Module 1

Topic C: Division of Whole Numbers

Lesson 12: Divide two- and three-digit numbers by multiples of 10.
5.NBT, 5.NBT.B.6, MP2, 5.Mod1.AD5, 5.Mod1.AD10, 5.Mod1.AD11

Lesson 13: Divide two-digit numbers by two-digit numbers in problems that result in one-digit quotients.
5.NBT, 5.NBT.B.6, MP7, 5.Mod1.AD5, 5.Mod1.AD10, 5.Mod1.AD11

Lesson 14: Divide three-digit numbers by two-digit numbers in problems that result in one-digit quotients.
5.NBT, 5.NBT.B.6, MP1, 5.Mod1.AD5, 5.Mod1.AD10

Lesson 15: Divide three-digit numbers by two-digit numbers in problems that result in two-digit quotients.
5.NBT, 5.NBT.B.6, MP7, 5.Mod1.AD5, 5.Mod1.AD10, 5.Mod1.AD11

Lesson 16: Divide four-digit numbers by two-digit numbers.
5.NBT, 5.NBT.B.6, MP2, 5.Mod1.AD5, 5.Mod1.AD10

Module 2

Lesson 10: Add whole numbers and mixed numbers and add mixed numbers with related units.
5.NF.A.1, 5.NF.A.2, MP5, 5.Mod2.AD4, 5.Mod2.AD7

Lesson 11: Add mixed numbers with unrelated units.
5.NF.A.1, 5.NF.A.2, MP2, 5.Mod2.AD4, 5.Mod2.AD5, 5.Mod2.AD6

Lesson 12: Subtract whole numbers from mixed numbers and mixed numbers from whole numbers.
5.NF.A, 5.NF.A.1, 5.NF.A.2, MP6, 5.Mod2.AD2, 5.Mod2.AD4, 5.Mod2.AD7

Lesson 13: Subtract mixed numbers from mixed numbers with related units.
5.NF.A.1, 5.NF.A.2, MP7, 5.Mod2.AD4, 5.Mod2.AD7

Lesson 14: Subtract mixed numbers from mixed numbers with unrelated units.
5.NF.A.1, 5.NF.A.2, MP4, 5.Mod2.AD4, 5.Mod2.AD5, 5.Mod2.AD6

Topic D: Problem Solving and Line Plots with Fractional Measurements

Lesson 15: Represent data on a line plot.
5.MD.B.2, MP6, 5.Mod2.AD11

Lesson 16: Solve problems by using data from a line plot.
5.MD.B.2, MP3, 5.Mod2.AD11

Module 3

Lesson 11: Multiply fractions.
5.NF.B.4.a, 5.NF.B.5.a, 5.NF.B.5.b, MP3, 5.Mod3.AD7, 5.Mod3.AD8, 5.Mod3.AD9

Topic C: Division with a Unit Fraction and a Whole Number

Lesson 12: Divide a nonzero whole number by a unit fraction to find the number of groups.
5.OA.A.2, 5.NF.B.7.b, 5.NF.B.7.c, MP1, 5.Mod3.AD3, 5.Mod3.AD12, 5.Mod3.AD13

Lesson 13: Divide a nonzero whole number by a unit fraction to find the size of the group.
5.NF.B.7.b, 5.NF.B.7.c, MP2, 5.Mod3.AD12, 5.Mod3.AD13

Lesson 14: Divide a unit fraction by a nonzero whole number.
5.NF.B.7.a, 5.NF.B.7.c, MP4, 5.Mod3.AD11, 5.Mod3.AD13

Lesson 15: Divide by whole numbers and unit fractions.
5.NF.B.7.a, 5.NF.B.7.b, 5.NF.B.7.c, MP3, 5.Mod3.AD11, 5.Mod3.AD12, 5.Mod3.AD13

Lesson 16: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers.
5.OA.A.2, 5.NF.B.7.a, 5.NF.B.7.b, MP7, 5.Mod3.AD4, 5.Mod3.AD11, 5.Mod3.AD12

Module 4

5.NBT.B, 5.NBT.B.7, MP5, 5.Mod4.AD12, 5.Mod4.AD15, 5.Mod4.AD19

Lesson 13: Solve word problems involving addition and subtraction of decimal numbers and fractions.
5.NBT.B, MP6, 5.Mod4.AD13

Topic C: Multiplication of Decimal Numbers

Lesson 14: Multiply decimal numbers to hundredths by one-digit whole numbers by using different models.
5.NBT.B.7, MP7, 5.Mod4.AD16, 5.Mod4.AD18, 5.Mod4.AD19

Lesson 15: Multiply decimal numbers to hundredths by one-digit whole numbers and multiples of 10, 100, or 1,000 by using different written methods.
5.NBT.B, 5.NBT.B.7, MP1, 5.Mod4.AD12, 5.Mod4.AD16, 5.Mod4.AD19

Lesson 16: Multiply decimal numbers to hundredths by two-digit whole numbers by using area models and vertical form.
5.NBT.B, 5.NBT.B.7, MP8, 5.Mod4.AD13, 5.Mod4.AD16, 5.Mod4.AD18

Lesson 17: Multiply decimal numbers to hundredths by two-digit whole numbers by using different methods.

Module 5

Lesson 13: Solve mathematical problems involving areas of composite figures with mixed-number side lengths.
5.NF.B.4.b, MP7, 5.Mod5.AD3

Lesson 14: Solve real-world problems involving areas of composite figures with mixed-number side lengths.
5.NF.B.4.b, 5.NF.B.6, MP1, 5.Mod5.AD3, 5.Mod5.AD5

Lesson 15: Solve multi-step word problems involving multiplication of mixed numbers.
5.NF.B.6, MP2, 5.Mod5.AD5

Topic C: Volume Concepts

Lesson 16: Identify attributes and properties of right rectangular prisms.
5.MD.C.3, 5.MD.C.3.a, 5.MD.C.3.b, MP7, 5.Mod5.AD6

Lesson 17: Find the volume of right rectangular prisms by packing with unit cubes and counting.
5.MD.C.3, 5.MD.C.3.a, 5.MD.C.3.b, 5.MD.C.4, MP2, 5.Mod5.AD6, 5.Mod5.AD7

Lesson 18: Find the volume of right rectangular prisms by packing with improvised units.
5.MD.C.4, MP3, 5.Mod5.AD7

Lesson 19: Compose and decompose right rectangular prisms to find their volume by using layers.

Module 6

Lesson 12: Graph and classify quadrilaterals in the coordinate plane.
5.G.A.2, 5.G.B.4, MP7, 5.Mod5.AD14, 5.Mod6.AD5

Lesson 13: Draw symmetric figures in the coordinate plane.
5.G.A.2, MP1, 5.Mod6.AD5

Lesson 14: Solve mathematical problems with rectangles in the coordinate plane.
5.G.A.2, MP5, 5.Mod6.AD5

Lesson 15: Use the coordinate plane to reason about perimeters and areas of rectangles.
5.G.A.2, 5.NF.B.4.b, MP3, 5.Mod5.AD3, 5.Mod6.AD5

Topic D: Solve Real-World Problems with the Coordinate Plane

Lesson 16: Interpret graphs that represent real-world situations.
5.G.A.2, MP3, 5.Mod6.AD4, 5.Mod6.AD5

Lesson 17: Plot data in the coordinate plane and analyze relationships.
5.G.A.2, MP2, 5.Mod6.AD4

Lesson 18: Interpret line graphs.
5.G.A.2, MP2, 5.Mod6.AD5

Lesson 19: Reason about visual patterns by using tables and graphs. (Optional)
MP5

Module 1

Topic D: Multi-Step Problems with Whole Numbers

Lesson 17: Write, interpret, and compare numerical expressions.
5.OA.A.1, 5.OA.A.2, MP6,
5.Mod1.AD1, 5.Mod1.AD3,
5.Mod1.AD4

Lesson 18: Create and solve real-world problems for given numerical expressions.
5.OA.A.1, 5.OA.A.2, MP2,
5.Mod1.AD2, 5.Mod1.AD3

Lesson 19: Solve multi-step word problems involving multiplication and division.
5.OA.A.1, 5.OA.A.2, 5.NBT, MP4,
5.Mod1.AD2, 5.Mod1.AD3,
5.Mod1.AD5

Lesson 20: Solve multi-step word problems involving the four operations.
5.OA.A.1, 5.OA.A.2, 5.NBT, MP1,
5.Mod1.AD2, 5.Mod1.AD3,
5.Mod1.AD5

Module 2

Lesson 17: Solve problems by equally redistributing a total amount.
5.NF.A.2, 5.MD.B.2, MP5,
5.Mod2.AD5, 5.Mod2.AD11



Module 3

Lesson 17: Solve word problems involving fractions with multiplication and division.
5.NF.B.6, 5.NF.B.7.c, MP1,
5.Mod3.AD10, 5.Mod3.AD13

Topic D: Multi-Step Problems with Fractions

Lesson 18: Compare and evaluate expressions with parentheses.
5.OA.A.1, 5.OA.A.2, MP6,
5.Mod3.AD2, 5.Mod3.AD3,
5.Mod3.AD4

Lesson 19: Create and solve one-step word problems involving fractions.
5.NF.B.7.a, 5.NF.B.7.b, 5.NF.B.7.c,
MP2, 5.Mod3.AD11, 5.Mod3.AD12,
5.Mod3.AD13

Lesson 20: Solve multi-step word problems involving fractions and write equations with parentheses.
5.NF, 5.NF.B.7.c, MP4,
5.Mod3.AD5, 5.Mod3.AD13

Lesson 21: Solve multi-step word problems involving fractions.
5.NF, 5.NF.B.6, 5.NF.B.7.c, MP4,
5.Mod3.AD5, 5.Mod3.AD10,
5.Mod3.AD13

Lesson 22: Evaluate expressions involving nested grouping symbols. (Optional)
5.OA.A.1, MP6, 5.Mod3.AD1,
5.Mod3.AD2



Module 4

5.NBT.B, 5.NBT.B.7, MP5,
5.Mod4.AD13, 5.Mod4.AD16,
5.Mod4.AD19

Lesson 18: Relate decimal-number multiplication to fraction multiplication.
5.NBT.B.7, MP8, 5.Mod4.AD16,
5.Mod4.AD18, 5.Mod4.AD19

Lesson 19: Multiply a decimal number by a decimal number.
5.NBT.B, 5.NBT.B.7, MP7,
5.Mod4.AD12, 5.Mod4.AD16,
5.Mod4.AD19

Topic D: Division of Decimal Numbers

Lesson 20: Divide decimal numbers to hundredths by one-digit whole numbers and multiples of 10, 100, or 1,000 by using unit form and place value understanding.
5.NBT.B, 5.NBT.B.7, MP7,
5.Mod4.AD12, 5.Mod4.AD17,
5.Mod4.AD18

Lesson 21: Divide decimal numbers to hundredths by one-digit whole numbers and multiples of 10, 100, or 1,000 by using place value understanding and vertical form.
5.NBT.B.7, MP3, 5.Mod4.AD17,
5.Mod4.AD19

Lesson 22: Divide decimal numbers to hundredths by two-digit whole numbers.
5.NBT.B, 5.NBT.B.7, MP5,
5.Mod4.AD13, 5.Mod4.AD17,
5.Mod4.AD19

Module 5

5.MD.C.3, 5.MD.C.3.a,
5.MD.C.3.b, 5.MD.C.4, MP8,
5.Mod5.AD6, 5.Mod5.AD7

Lesson 20: Interpret volume as filling.
5.MD.C.3, 5.MD.C.3.a,
5.MD.C.3.b, MP2, 5.Mod5.AD6

Lesson 21: Relate volumes of solids and liquid volume.
5.MD.C.3, 5.MD.C.3.a,
5.MD.C.3.b, 5.MD.C.4, MP2,
5.Mod5.AD6, 5.Mod5.AD7

Topic D: Volume and the Operations of Multiplication and Addition

Lesson 22: Find the volumes of right rectangular prisms by using the area of the base.
5.MD.C.5, 5.MD.C.5.a,
5.MD.C.5.b, MP7, 5.Mod5.AD8,
5.Mod5.AD9, 5.Mod5.AD11

Lesson 23: Find the volumes of right rectangular prisms by multiplying the edge lengths.
5.MD.C.5.a, 5.MD.C.5.b, MP7,
5.Mod5.AD9, 5.Mod5.AD10,
5.Mod5.AD11

Lesson 24: Solve word problems involving volumes of right rectangular prisms.
5.MD.C.5, 5.MD.C.5.c, MP2,
5.Mod5.AD8, 5.Mod5.AD12

Lesson 25: Find the volumes of solid figures composed of right rectangular prisms.

Module 6

Lesson 20: Reason about patterns in real-world situations.
5.OA.B.3, 5.G.A.2, MP4,
5.Mod6.AD1, 5.Mod6.AD2,
5.Mod6.AD4



Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

			<p>Lesson 23: Relate division by 0.1 and 0.01 to division by a unit fraction. 5.NBT.B, 5.NBT.B.7, MP8, 5.Mod4.AD12, 5.Mod4.AD17, 5.Mod4.AD19</p> <p>Lesson 24: Divide decimal numbers by decimal numbers, resulting in whole-number quotients. 5.NBT.B, 5.NBT.B.7, MP2, 5.Mod4.AD13, 5.Mod4.AD17, 5.Mod4.AD19</p> <p>Lesson 25: Divide decimal numbers by decimal numbers, resulting in decimal-number quotients. 5.NBT.B, 5.NBT.B.7, MP1, 5.Mod4.AD12, 5.Mod4.AD17, 5.Mod4.AD19</p> <hr/> <p>Topic E: Applications of Decimals</p> <p>Lesson 26: Solve a real-world problem involving metric measurements. (Optional) 5.MD.A.1, MP3, 5.Mod4.AD20</p> <p>Lesson 27: Convert metric measurements involving decimals. 5.MD.A.1, MP6, 5.Mod4.AD20</p> <p>Lesson 28: Convert customary measurements involving decimals. 5.MD.A.1, MP4, 5.Mod4.AD20</p> <p>Lesson 29: Interpret, evaluate, and compare numerical expressions involving decimals.</p>	<p>5.MD.C.5.b, 5.MD.C.5.c, MP1, 5.Mod5.AD11, 5.Mod5.AD12</p> <p>Lesson 26: Solve word problems involving perimeter, area, and volume. 5.MD.C.5.b, 5.MD.C.5.c, MP1, 5.Mod5.AD11, 5.Mod5.AD12</p> <p>Lesson 27: Apply concepts and formulas of volume to design a sculpture by using right rectangular prisms, part 1. 5.MD.C.5.b, 5.MD.C.5.c, MP4, 5.Mod5.AD11, 5.Mod5.AD12</p> <p>Lesson 28: Apply concepts and formulas of volume to design a sculpture by using right rectangular prisms, part 2. 5.MD.C.5.b, 5.MD.C.5.c, MP3, 5.Mod5.AD11, 5.Mod5.AD12</p> <p>■</p>	
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Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

			<p>5.OA.A.1, 5.OA.A.2, MP6, 5.Mod4.AD1, 5.Mod4.AD2, 5.Mod4.AD4</p> <p>Lesson 30: Create and solve real-world problems for given numerical expressions involving decimals. 5.OA.A.1, 5.OA.A.2, MP2, 5.Mod4.AD1, 5.Mod4.AD2, 5.Mod4.AD3</p> <p>■</p>		
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