G. Geometry

A. Reason With Shapes And Their Attributes.

3.G.A.1

Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories.

Stretch	Module	Session Title	Standards
Stretch 2	Module 1	Geometric Dictation	3.G.A.1
Stretch 2	Module 2	Mosaics and the Properties of Polygons	3.G.A.1
Stretch 2	Module 3	Investigating Squares with Geoboards	3.G.A.1, 3.MD.D.8
Stretch 2	Module 4	Investigating Quadrilaterals with Geoboards	3.G.A.1, 3.MD.D.8
Stretch 4	Module 1	Constructing and Classifying Quadrilaterals	3.G.A.1, 3.MD.B.4
Stretch 4	Module 4	Classifying Shapes	3.G.A.1, 3.MD.C.7b, 3.MD.C.7d, 3.MD.D.8

3.G.A.2

Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as 1/4 of the area of the shape.

Stretch	Module	Session Title	Standards
Stretch 3	Module 3	Foundation with Fractions: ½	3.G.A.2, 3.NF.A.1
Stretch 3	Module 3	Foundation with Fractions: ¼	3.G.A.2, 3.NF.A.1
Stretch 3	Module 4	Representing Fractions with the Area Model	3.G.A.2, 3.NF.A.1
Stretch 3	Module 4	Representing Fractions greater than 1	3.G.A.2, 3.NF.A.1
Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 4	Module 2	½ and ¼ in Geometric Shapes	3.G.A.2, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b

MD. Measurement and Data

A. Solve Problems Involving Measurement And Estimation Of Intervals Of Time, Liquid Volumes, And Masse

3.MD.A.1

Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.

Stretch	Module	Session Title	Standards
Stretch 1	Module 1	Estimating Time Intervals	3.MD.A.1
Stretch 1	Module 3	Telling Time	3.MD.A.1
Stretch 1	Module 4	Measuring Capacity	3.MD.A.1, 3.MD.A.2
Stretch 3	Module 1	Measuring Time Intervals	3.MD.A.1
Stretch 3	Module 2	Measurement Math Contest	3.MD.A.1, 3.MD.A.2
Stretch 3	Module 3	Time Intervals Word Problems	3.MD.A.1
Stretch 3	Module 4	Recipes Using Time, Weight, and Capacity	3.MD.A.1, 3.MD.A.2

3.MD.A.2

Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Measuring Mass	3.MD.A.2
Stretch 1	Module 4	Measuring Capacity	3.MD.A.1, 3.MD.A.2
Stretch 3	Module 2	Measurement Math Contest	3.MD.A.1, 3.MD.A.2
Stretch 3	Module 4	Recipes Using Time, Weight, and Capacity	3.MD.A.1, 3.MD.A.2
Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c

Stretch 4	Module 3	Estimation in Addition and Subtraction	3.MD.A.2, 3.NBT.A.1, 3.NBT.A.2

B. Represent And Interpret Data.

3.MD.B.3

Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.

Stretch	Module	Session Title	Standards
Stretch 1	Module 5	Representing Data with Bar Graphs	3.MD.B.3
Stretch 2	Module 5	Representing Data	3.MD.B.3
Stretch 4	Module 5	Environmental Impact of Food Packaging	3.MD.B.3
Stretch 6	Module 2	Connecting Dice with Natural Cycles	3.MD.B.3

3.MD.B.4

Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units — whole numbers, halves, or quarters.

Stretch	Module	Session Title	Standards
Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 3	Module 5	Representing Fractions with the Length Model II	3.MD.B.4, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Constructing and Classifying Quadrilaterals	3.G.A.1, 3.MD.B.4
Stretch 5	Module 1	Measuring Lengths	3.MD.B.4, 3.NF.A.2
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Exploring Fractions on the Number Line	3.MD.B.4, 3.NF.A.2
Stretch 5	Module 5	Length and Area in Maps	3.MD.B.4, 3.MD.C.6, 3.MD.C.7b, 3.MD.C.7d, 3.NF.A.2
Stretch 6	Module 4	Investigating Data in a Book Signing	3.MD.B.4, 3.NF.A.2

C. Geometric Measurement: Understand Concepts Of Area And Relate Area To Multiplication And To Additio

3.MD.C.5

Recognize area as an attribute of plane figures and understand concepts of area measurement.

Stretch	Module	Session Title	Standards
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d

3.MD.C.5a

A square with side length 1 unit, called "a unit square," is said to have "one square unit" of area, and can be used to measure area.

Stretch	Module	Session Title	Standards
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d

Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d

3.MD.C.5b

A plane figure which can be covered without gaps or overlaps by n unit squares is said to have an area of n square units.

Stretch	Module	Session Title	Standards
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d

3.MD.C.6

Measure areas by counting unit squares (square cm, square m, square in, square ft, and improvised units).

Stretch	Module	Session Title	Standards
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d
Stretch 5	Module 5	Length and Area in Maps	3.MD.B.4, 3.MD.C.6, 3.MD.C.7b, 3.MD.C.7d, 3.NF.A.2

3.MD.C.7

Relate area to the operations of multiplication and addition.

Stretch	Module	Session Title	Standards
Stretch 1	Module 4	Introducing the 4 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Introducing the 8 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9

Stretch 2	Module 3	Introducing the 3 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Introducing the 7 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d
Stretch 4	Module 4	Classifying Shapes	3.G.A.1, 3.MD.C.7b, 3.MD.C.7d, 3.MD.D.8
Stretch 5	Module 2	Multiplication with Multiples of 10	3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d
Stretch 5	Module 5	Length and Area in Maps	3.MD.B.4, 3.MD.C.6, 3.MD.C.7b, 3.MD.C.7d, 3.NF.A.2
Stretch 6	Module 3	Productive Practice: Multiplication	3.MD.C.7b, 3.MD.C.7c, 3.OA.B.5
Stretch 6	Module 3	Area and Perimeter: Real World Problems	3.MD.C.7b, 3.MD.D.8
Stretch 6	Module 4	Multiplication with Larger Numbers	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.B.5, 3.OA.C.7
Stretch 6	Module 5	Estimation in Multiplication	3.MD.C.7b, 3.OA.A.3, 3.OA.C.7

3.MD.C.7a

Find the area of a rectangle with whole-number side lengths by tiling it, and show that the area is the same as would be found by multiplying the side lengths.

Stretch	Module	Session Title	Standards
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d

3.MD.C.7b

Multiply side lengths to find areas of rectangles with wholenumber side lengths in the context of solving real world and mathematical problems, and represent whole-number products as rectangular areas in mathematical reasoning.

Stretch	Module	Session Title	Standards
Stretch 4	Module 4	Classifying Shapes	3.G.A.1, 3.MD.C.7b, 3.MD.C.7d, 3.MD.D.8
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7

Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d
Stretch 5	Module 5	Length and Area in Maps	3.MD.B.4, 3.MD.C.6, 3.MD.C.7b, 3.MD.C.7d, 3.NF.A.2
Stretch 6	Module 3	Productive Practice: Multiplication	3.MD.C.7b, 3.MD.C.7c, 3.OA.B.5
Stretch 6	Module 3	Area and Perimeter: Real World Problems	3.MD.C.7b, 3.MD.D.8
Stretch 6	Module 4	Multiplication with Larger Numbers	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.B.5, 3.OA.C.7
Stretch 6	Module 5	Estimation in Multiplication	3.MD.C.7b, 3.OA.A.3, 3.OA.C.7

3.MD.C.7c

Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths a and b + c is the sum of a × b and a × c. Use area models to represent the distributive property in mathematical reasoning.

Stretch	Module	Session Title	Standards
Stretch 1	Module 4	Introducing the 4 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Introducing the 8 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 3	Introducing the 3 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Introducing the 7 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 2	Multiplication with Multiples of 10	3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 6	Module 3	Productive Practice: Multiplication	3.MD.C.7b, 3.MD.C.7c, 3.OA.B.5
Stretch 6	Module 4	Multiplication with Larger Numbers	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.B.5, 3.OA.C.7

3.MD.C.7d

Recognize area as additive. Find areas of rectilinear figures by decomposing them into non-overlapping rectangles and adding the areas of the non-overlapping parts, applying this technique to solve real world problems.

Stretch	Module	Session Title	Standards
Stretch 4	Module 3	Exploring Area for 2D Shapes	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7d
Stretch 4	Module 4	Classifying Shapes	3.G.A.1, 3.MD.C.7b, 3.MD.C.7d, 3.MD.D.8
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 4	Area through Rectangular Decomposition	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d
Stretch 5	Module 5	Length and Area in Maps	3.MD.B.4, 3.MD.C.6, 3.MD.C.7b, 3.MD.C.7d, 3.NF.A.2

D. Geometric Measurement: Recognize Perimeter As An Attribute Of Plane Figures And Distinguish Betweer

3.MD.D.8

Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.

Stretch	Module	Session Title	Standards
Stretch 2	Module 3	Investigating Squares with Geoboards	3.G.A.1, 3.MD.D.8
Stretch 2	Module 4	Investigating Quadrilaterals with Geoboards	3.G.A.1, 3.MD.D.8
Stretch 4	Module 4	Classifying Shapes	3.G.A.1, 3.MD.C.7b, 3.MD.C.7d, 3.MD.D.8
Stretch 6	Module 3	Area and Perimeter: Real World Problems	3.MD.C.7b, 3.MD.D.8

NBT. Number and Operations - Base Ten

A. Use Place Value Understanding And Properties Of Operations To Perform Multi-Digit Arithmetic.

3.NBT.A.1

Use place value understanding to round whole numbers to the nearest 10 or 100.

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Addition and Subtraction Word Problems I	3.NBT.A.1, 3.NBT.A.2
Stretch 1	Module 4	Addition and Subtraction Word Problems II	3.NBT.A.1, 3.NBT.A.2
Stretch 2	Module 2	Estimation in Addition	3.NBT.A.1, 3.NBT.A.2
Stretch 2	Module 5	Estimation in Subtraction	3.NBT.A.1, 3.NBT.A.2
Stretch 4	Module 3	Estimation in Addition and Subtraction	3.MD.A.2, 3.NBT.A.1, 3.NBT.A.2

3.NBT.A.2

Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Stretch	Module	Session Title	Standards
Stretch 1	Module 1	Reviewing Jumping on the Number Line	3.NBT.A.2
Stretch 1	Module 2	Addition and Subtraction Word Problems I	3.NBT.A.1, 3.NBT.A.2
Stretch 1	Module 3	Reviewing Even and Odd Numbers	3.NBT.A.2, 3.OA.D.9
Stretch 1	Module 3	Reviewing Addition and Subtraction	3.NBT.A.2
Stretch 1	Module 4	Addition and Subtraction Word Problems II	3.NBT.A.1, 3.NBT.A.2
Stretch 1	Module 5	Connecting Addition and Subtraction I	3.NBT.A.2
Stretch 1	Module 5	Productive Practice: Addition and Subtraction	3.NBT.A.2, 3.OA.D.9
Stretch 2	Module 1	Acoustic Counting beyond 1,000	3.NBT.A.2
Stretch 2	Module 1	Representing Numbers with a 4-Column Abacus	3.NBT.A.2
Stretch 2	Module 1	Jumping Forward on the Extended Number Line	3.NBT.A.2
Stretch 2	Module 2	Jumping Backward on the Extended Number Line	3.NBT.A.2
Stretch 2	Module 2	Estimation in Addition	3.NBT.A.1, 3.NBT.A.2
Stretch 2	Module 3	Productive Practice: Addition Table	3.NBT.A.2
Stretch 2	Module 4	Representing Numbers with Base-10 Blocks	3.NBT.A.2
Stretch 2	Module 4	Addition and Subtraction using Decomposition	3.NBT.A.2, 3.OA.D.8
Stretch 2	Module 4	Adding with Regrouping using Decomposition	3.NBT.A.2
Stretch 2	Module 5	Subtracting with Regrouping using Decomposition	3.NBT.A.2
Stretch 2	Module 5	Estimation in Subtraction	3.NBT.A.1, 3.NBT.A.2
Stretch 2	Module 5	Productive Practice: Addition on the 100 Chart	3.NBT.A.2, 3.OA.D.9
Stretch 4	Module 2	Productive Practice: Subtraction I	3.NBT.A.2, 3.OA.D.9
Stretch 4	Module 3	Comparing Addition and Subtraction Strategies	3.NBT.A.2
Stretch 4	Module 3	Connecting Addition and Subtraction II	3.NBT.A.2
Stretch 4	Module 3	Estimation in Addition and Subtraction	3.MD.A.2, 3.NBT.A.1, 3.NBT.A.2
Stretch 4	Module 5	Productive Practice: Addition on the 200 Chart	3.NBT.A.2, 3.OA.D.9
Stretch 6	Module 1	Understanding the Standard Addition Algorithm	3.NBT.A.2
Stretch 6	Module 1	Understanding the Standard Subtraction Algorithm	3.NBT.A.2
Stretch 6	Module 1	Addition with Multiple Addends	3.NBT.A.2
Stretch 6	Module 2	Productive Practice: Addition	3.NBT.A.2, 3.OA.C.7, 3.OA.D.9
Stretch 6	Module 3	Comparing Subtraction Strategies	3.NBT.A.2

Stretch 6	Module 5	Productive Practice: Addition on Magic Squares	3.NBT.A.2

3.NBT.A.3

Multiply one-digit whole numbers by multiples of 10 in the range 10–90 (e.g., 9 × 80, 5 × 60) using strategies based on place value and properties of operations.

Stretch	Module	Session Title	Standards
Stretch 5	Module 2	Multiplication with Multiples of 10	3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 3	Connecting Multiplication	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 3	Connecting Multiplication and Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 4	Multiplication with Larger Numbers	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.B.5, 3.OA.C.7

NF. Number and Operations - Fractions

A. Develop Understanding Of Fractions As Numbers.

3.NF.A.1

Understand a fraction 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size 1/b.

Stretch	Module	Session Title	Standards
Stretch 3	Module 3	Foundation with Fractions: ½	3.G.A.2, 3.NF.A.1
Stretch 3	Module 3	Foundation with Fractions: ¼	3.G.A.2, 3.NF.A.1
Stretch 3	Module 4	Representing Fractions with the Area Model	3.G.A.2, 3.NF.A.1
Stretch 3	Module 4	Representing Fractions with the Set Model	3.NF.A.1
Stretch 3	Module 4	Representing Fractions greater than 1	3.G.A.2, 3.NF.A.1
Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 3	Module 5	Representing Fractions with the Length Model II	3.MD.B.4, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 3	Module 5	Reviewing Fraction Representations	3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Area Model	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Length and Set Models	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 4	Module 2	Comparing Fractions	3.NF.A.1, 3.NF.A.3d
Stretch 4	Module 2	Comparing Fractions in Practice	3.NF.A.1, 3.NF.A.3d
Stretch 4	Module 2	½ and ¼ in Geometric Shapes	3.G.A.2, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 5	Module 4	Reviewing Fractions	3.NF.A.1
Stretch 5	Module 4	Comparing Fractions with the Area Model	3.NF.A.1
Stretch 5	Module 5	Exploring Patterns in Fractions	3.NF.A.1, 3.NF.A.2, 3.NF.A.3c, 3.OA.D.9
Stretch 5	Module 5	Applying Fractions	3.NF.A.1, 3.NF.A.3b

3.NF.A.2

Understand a fraction as a number on the number line; represent fractions on a number line diagram.

Stretch	Module	Session Title	Standards
Stretch 3	Module 5	Representing Fractions with the Length Model II	3.MD.B.4, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 3	Module 5	Reviewing Fraction Representations	3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b

Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 5	Module 1	Measuring Lengths	3.MD.B.4, 3.NF.A.2
Stretch 5	Module 4	Exploring Fractions on the Number Line	3.MD.B.4, 3.NF.A.2
Stretch 5	Module 5	Exploring Patterns in Fractions	3.NF.A.1, 3.NF.A.2, 3.NF.A.3c, 3.OA.D.9
Stretch 5	Module 5	Productive Practice: Fractions	3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 5	Module 5	Length and Area in Maps	3.MD.B.4, 3.MD.C.6, 3.MD.C.7b, 3.MD.C.7d, 3.NF.A.2
Stretch 6	Module 4	Investigating Data in a Book Signing	3.MD.B.4, 3.NF.A.2

3.NF.A.3

Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

Stretch	Module	Session Title	Standards
Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 3	Module 5	Representing Fractions with the Length Model II	3.MD.B.4, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 3	Module 5	Reviewing Fraction Representations	3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Area Model	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Length and Set Models	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 4	Module 2	Comparing Fractions	3.NF.A.1, 3.NF.A.3d
Stretch 4	Module 2	Comparing Fractions in Practice	3.NF.A.1, 3.NF.A.3d
Stretch 4	Module 2	½ and ¼ in Geometric Shapes	3.G.A.2, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 5	Module 5	Exploring Patterns in Fractions	3.NF.A.1, 3.NF.A.2, 3.NF.A.3c, 3.OA.D.9
Stretch 5	Module 5	Productive Practice: Fractions	3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 5	Module 5	Applying Fractions	3.NF.A.1, 3.NF.A.3b

3.NF.A.3a

Understand two fractions as equivalent (equal) if they are the same size, or the same point on a number line.

Stretch	Module	Session Title	Standards
Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 3	Module 5	Representing Fractions with the Length Model II	3.MD.B.4, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 3	Module 5	Reviewing Fraction Representations	3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Area Model	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Length and Set Models	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 4	Module 2	½ and ¼ in Geometric Shapes	3.G.A.2, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 5	Module 5	Productive Practice: Fractions	3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c

3.NF.A.3b

Recognize and generate simple equivalent fractions, e.g., 1/2 = 2/4, 4/6 = 2/3. Explain why the fractions are equivalent, e.g., by using a visual fraction model.

Stretch	Module	Session Title	Standards

Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 3	Module 5	Representing Fractions with the Length Model II	3.MD.B.4, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 3	Module 5	Reviewing Fraction Representations	3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Area Model	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions with the Length and Set Models	3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 4	Module 2	½ and ¼ in Geometric Shapes	3.G.A.2, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b
Stretch 5	Module 5	Productive Practice: Fractions	3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 5	Module 5	Applying Fractions	3.NF.A.1, 3.NF.A.3b

3.NF.A.3c

Express whole numbers as fractions, and recognize fractions that are equivalent to whole numbers. Examples: Express 3 in the form 3 = 3/1; recognize that 6/1 = 6; locate 4/4 and 1 at the same point of a number line diagram.

Stretch	Module	Session Title	Standards
Stretch 3	Module 5	Representing Fractions with the Length Model I	3.G.A.2, 3.MD.B.4, 3.NF.A.1, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 4	Module 1	Equivalent Fractions on the Number Line	3.MD.A.2, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c
Stretch 5	Module 5	Exploring Patterns in Fractions	3.NF.A.1, 3.NF.A.2, 3.NF.A.3c, 3.OA.D.9
Stretch 5	Module 5	Productive Practice: Fractions	3.NF.A.2, 3.NF.A.3a, 3.NF.A.3b, 3.NF.A.3c

3.NF.A.3d

Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols >, =, or <, and justify the conclusions, e.g., by using a visual fraction model.

Stretch	Module	Session Title	Standards
Stretch 4	Module 2	Comparing Fractions	3.NF.A.1, 3.NF.A.3d
Stretch 4	Module 2	Comparing Fractions in Practice	3.NF.A.1, 3.NF.A.3d

OA. Operations and Algebraic Thinking

A. Represent And Solve Problems Involving Multiplication And Division.

3.OA.A.1

Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each. For example, describe a context in which a total number of objects can be expressed as 5 × 7.

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Introducing the 2 Times Table	3.OA.A.1, 3.OA.D.9
Stretch 1	Module 3	Introducing the 5 Times Table	3.OA.A.1, 3.OA.D.9
Stretch 1	Module 4	Introducing the 4 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Introducing the 8 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 2	Connecting Counting and Multiplication	3.OA.A.1, 3.OA.C.7
Stretch 2	Module 3	Introducing the 3 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 3	Introducing the 6 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 1	Introducing the 9 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9

Stretch 3	Module 2	Multiplication using Arrays I	3.OA.A.1, 3.OA.B.5, 3.OA.C.7
Stretch 3	Module 2	Introducing the 7 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Times Tables: Equal Groups Model	3.OA.A.1, 3.OA.A.3, 3.OA.C.7
Stretch 3	Module 3	Times Tables: Array Model	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8
Stretch 4	Module 4	Times Tables: Combination Model	3.OA.A.1, 3.OA.C.7
Stretch 4	Module 4	Times Tables: Comparison Model	3.OA.A.1, 3.OA.C.7

3.OA.A.2

Interpret whole-number quotients of whole numbers, e.g., interpret 56 ÷ 8 as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as 56 ÷ 8.

Stretch	Module	Session Title	Standards
Stretch 3	Module 1	Exploring Quotitive Division	3.OA.A.2, 3.OA.A.3
Stretch 3	Module 1	Exploring Partitive Division	3.OA.A.2, 3.OA.A.3
Stretch 4	Module 4	Introducing the Multiplicative Frame	3.OA.A.2, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 4	Module 5	Division Word Problems	3.OA.A.2, 3.OA.A.3, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 3	Connecting Multiplication	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 3	Comparing Quotitive and Partitive Division	3.OA.A.2, 3.OA.A.3, 3.OA.B.6
Stretch 5	Module 3	Connecting Multiplication and Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7

3.OA.A.3

Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

Stretch	Module	Session Title	Standards
Stretch 3	Module 1	Exploring Quotitive Division	3.OA.A.2, 3.OA.A.3
Stretch 3	Module 1	Exploring Partitive Division	3.OA.A.2, 3.OA.A.3
Stretch 3	Module 2	Times Tables: Equal Groups Model	3.OA.A.1, 3.OA.A.3, 3.OA.C.7
Stretch 3	Module 3	Times Tables: Array Model	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8
Stretch 4	Module 5	Division Word Problems	3.OA.A.2, 3.OA.A.3, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 3	Comparing Quotitive and Partitive Division	3.OA.A.2, 3.OA.A.3, 3.OA.B.6
Stretch 5	Module 3	Connecting Multiplication and Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 4	Multiplication and Division Word Problems I	3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 4	Multiplication and Division Word Problems II	3.OA.A.3
Stretch 6	Module 5	Estimation in Multiplication	3.MD.C.7b, 3.OA.A.3, 3.OA.C.7

3.OA.A.4

Determine the unknown whole number in a multiplication or division equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations 8 × ? = 48, 5 = ? ÷ 3, 6 × 6 = ?

Stretch	Module	Session Title	Standards
Stretch 3	Module 3	Times Tables: Array Model	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8

Stretch 4	Module 4	Introducing the Multiplicative Frame	3.OA.A.2, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Multiplication with Multiples of 10	3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 3	Connecting Multiplication and Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5

B. Understand Properties Of Multiplication And The Relationship Between Multiplication And Division.

3.OA.B.5

Apply properties of operations as strategies to multiply and divide. Examples: Commutative property of multiplication: If 6 × 4 = 24 is known, then 4 × 6 = 24 is also known. Associative property of multiplication: 3 × 5 × 2 can be found by 3 × 5 = 15, then 15 × 2 = 30, or by 5 × 2 = 10, then 3 × 10 = 30. Distributive property: Knowing that 8 × 5 = 40 and 8 × 2 = 16, one can find 8 × 7 as 8 × (5 + 2) = (8 × 5) + (8 × 2) = 40 + 16 = 56.

Stretch	Module	Session Title	Standards
Stretch 1	Module 4	Introducing the 4 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Introducing the 8 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 3	Introducing the 3 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 3	Introducing the 6 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 1	Introducing the 9 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Multiplication using Arrays I	3.OA.A.1, 3.OA.B.5, 3.OA.C.7
Stretch 3	Module 2	Introducing the 7 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 4	Module 4	Introducing the Multiplicative Frame	3.OA.A.2, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 1	Productive Practice: Multiplication Table II	3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Rectangle Area and the Distributive Property	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.MD.C.7d, 3.OA.B.5
Stretch 5	Module 3	Connecting Multiplication	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 3	Measuring our Environment	3.MD.B.4, 3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7c, 3.OA.A.4, 3.OA.B.5
Stretch 6	Module 3	Productive Practice: Multiplication	3.MD.C.7b, 3.MD.C.7c, 3.OA.B.5
Stretch 6	Module 4	Multiplication with Larger Numbers	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.B.5, 3.OA.C.7
Stretch 6	Module 4	Multiplication and Division Word Problems I	3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 5	Mixed Operations Word Problems II	3.OA.B.5, 3.OA.C.7, 3.OA.D.8

3.OA.B.6

Understand division as an unknown-factor problem. For example, find 32 ÷ 8 by finding the number that makes 32 when multiplied by 8.

Stretch	Module	Session Title	Standards
Stretch 3	Module 3	Times Tables: Array Model	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8
Stretch 4	Module 4	Introducing the Multiplicative Frame	3.OA.A.2, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 4	Module 5	Division Word Problems	3.OA.A.2, 3.OA.A.3, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 3	Comparing Quotitive and Partitive Division	3.OA.A.2, 3.OA.A.3, 3.OA.B.6
Stretch 5	Module 3	Connecting Multiplication and Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 4	Multiplication and Division Word Problems I	3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7

C. Multiply And Divide Within 100.

3.OA.C.7

Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that 8 × 5 = 40, one knows 40 ÷ 5 = 8) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers.

Stretch	Module	Session Title	Standards
Stretch 1	Module 4	Introducing the 4 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Introducing the 8 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 2	Connecting Counting and Multiplication	3.OA.A.1, 3.OA.C.7
Stretch 2	Module 3	Introducing the 3 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 3	Introducing the 6 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 1	Introducing the 9 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Multiplication using Arrays I	3.OA.A.1, 3.OA.B.5, 3.OA.C.7
Stretch 3	Module 2	Introducing the 7 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Times Tables: Equal Groups Model	3.OA.A.1, 3.OA.A.3, 3.OA.C.7
Stretch 3	Module 3	Times Tables: Array Model	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8
Stretch 4	Module 4	Introducing the Multiplicative Frame	3.OA.A.2, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 4	Module 4	Times Tables: Combination Model	3.OA.A.1, 3.OA.C.7
Stretch 4	Module 4	Times Tables: Comparison Model	3.OA.A.1, 3.OA.C.7
Stretch 4	Module 5	Division Word Problems	3.OA.A.2, 3.OA.A.3, 3.OA.B.6, 3.OA.C.7
Stretch 4	Module 5	Mixed Operations Word Problems I	3.OA.C.7, 3.OA.D.8
Stretch 5	Module 1	Productive Practice: Multiplication on the 100 Chart	3.OA.C.7, 3.OA.D.9
Stretch 5	Module 1	Productive Practice: Multiplication Table I	3.OA.C.7, 3.OA.D.9
Stretch 5	Module 1	Productive Practice: Multiplication Table II	3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 2	Multiplication Beyond Basic Facts	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7
Stretch 5	Module 2	Multiplication using Arrays II	3.MD.C.5, 3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, 3.MD.C.7b, 3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 5	Module 3	Connecting Multiplication	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 3	Connecting Multiplication and Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 2	Productive Practice: Mixed Operations	3.OA.C.7, 3.OA.D.9

Stretch 6	Module 2	Productive Practice: Addition	3.NBT.A.2, 3.OA.C.7, 3.OA.D.9
Stretch 6	Module 4	Multiplication with Larger Numbers	3.MD.C.7b, 3.MD.C.7c, 3.NBT.A.3, 3.OA.B.5, 3.OA.C.7
Stretch 6	Module 4	Multiplication and Division Word Problems I	3.OA.A.3, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7
Stretch 6	Module 5	Mixed Operations Word Problems II	3.OA.B.5, 3.OA.C.7, 3.OA.D.8
Stretch 6	Module 5	Estimation in Multiplication	3.MD.C.7b, 3.OA.A.3, 3.OA.C.7

D. Solve Problems Involving The Four Operations, And Identify And Explain Patterns In Arithmetic.

3.OA.D.8

Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

Stretch	Module	Session Title	Standards
Stretch 2	Module 4	Addition and Subtraction using Decomposition	3.NBT.A.2, 3.OA.D.8
Stretch 3	Module 3	Times Tables: Array Model	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8
Stretch 4	Module 5	Mixed Operations Word Problems I	3.OA.C.7, 3.OA.D.8
Stretch 6	Module 5	Mixed Operations Word Problems II	3.OA.B.5, 3.OA.C.7, 3.OA.D.8

3.OA.D.9

Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Introducing the 2 Times Table	3.OA.A.1, 3.OA.D.9
Stretch 1	Module 3	Introducing the 5 Times Table	3.OA.A.1, 3.OA.D.9
Stretch 1	Module 3	Reviewing Even and Odd Numbers	3.NBT.A.2, 3.OA.D.9
Stretch 1	Module 4	Introducing the 4 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Introducing the 8 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 1	Module 5	Productive Practice: Addition and Subtraction	3.NBT.A.2, 3.OA.D.9
Stretch 2	Module 3	Introducing the 3 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 3	Introducing the 6 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 2	Module 5	Productive Practice: Addition on the 100 Chart	3.NBT.A.2, 3.OA.D.9
Stretch 3	Module 1	Introducing the 9 Times Table	3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 3	Module 2	Introducing the 7 Times Table	3.MD.C.7c, 3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 4	Module 2	Productive Practice: Subtraction I	3.NBT.A.2, 3.OA.D.9
Stretch 4	Module 5	Productive Practice: Addition on the 200 Chart	3.NBT.A.2, 3.OA.D.9
Stretch 5	Module 1	Productive Practice: Multiplication on the 100 Chart	3.OA.C.7, 3.OA.D.9
Stretch 5	Module 1	Productive Practice: Multiplication Table I	3.OA.C.7, 3.OA.D.9
Stretch 5	Module 1	Productive Practice: Multiplication Table II	3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 3	Connecting Multiplication	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9
Stretch 5	Module 5	Exploring Patterns in Fractions	3.NF.A.1, 3.NF.A.2, 3.NF.A.3c, 3.OA.D.9
Stretch 6	Module 1	Patterns in Sequences	3.OA.D.9
Stretch 6	Module 2	Productive Practice: Mixed Operations	3.OA.C.7, 3.OA.D.9
Stretch 6	Module 2	Productive Practice: Addition	3.NBT.A.2, 3.OA.C.7, 3.OA.D.9
Stretch 6	Module 3	Productive Practice: Subtraction III	3.OA.D.9
Stretch 6	Module 5	Patterns through Number Transformations	3.OA.D.9