G. Geometry

A. Reason With Shapes And Their Attributes.

1.G.A.1

Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.

Stretch	Module	Session Title	Standards
Stretch 2	Module 1	Recognizing Attributes in 2D Shapes	1.G.A.1
Stretch 2	Module 2	Connecting 2D and 3D Shapes	1.G.A.1
Stretch 2	Module 3	Distinguishing Attributes in 2D Shapes with Tangrams	1.G.A.1, 1.G.A.2
Stretch 2	Module 4	Describing Shapes with Geometric Vocabulary	1.G.A.1, 1.G.A.2
Stretch 3	Module 3	Measuring and Defining 2D Shapes	1.G.A.1, 1.MD.A.2
Stretch 4	Module 1	Geometric Dictation	1.G.A.1, 1.G.A.2
Stretch 4	Module 2	Composing 3D Shapes with Venn Diagrams	1.G.A.1, 1.G.A.2
Stretch 4	Module 3	Exploring Views and Composing 3D Shapes	1.G.A.1, 1.G.A.2
Stretch 4	Module 4	Drawing 2D Shapes with the Geoboard	1.G.A.1, 1.G.A.2
Stretch 5	Module 4	Composing 2D Shapes: Coding	1.G.A.1, 1.G.A.2, 1.MD.A.1

1.G.A.2

Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.

Stretch	Module	Session Title	Standards
Stretch 2	Module 3	Distinguishing Attributes in 2D Shapes with Tangrams	1.G.A.1, 1.G.A.2
Stretch 2	Module 4	Describing Shapes with Geometric Vocabulary	1.G.A.1, 1.G.A.2
Stretch 4	Module 1	Geometric Dictation	1.G.A.1, 1.G.A.2
Stretch 4	Module 2	Composing 3D Shapes with Venn Diagrams	1.G.A.1, 1.G.A.2
Stretch 4	Module 3	Exploring Views and Composing 3D Shapes	1.G.A.1, 1.G.A.2
Stretch 4	Module 4	Drawing 2D Shapes with the Geoboard	1.G.A.1, 1.G.A.2
Stretch 5	Module 4	Composing 2D Shapes: Coding	1.G.A.1, 1.G.A.2, 1.MD.A.1

1.G.A.3

Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

Stretch	Module	Session Title	Standards
Stretch 5	Module 1	Patterns with Halves and Fourths	1.G.A.3
Stretch 5	Module 2	Partitioning Rectangles in Halves and Fourths	1.G.A.3
Stretch 5	Module 3	Exploring Halves and Fourths	1.G.A.3, 1.NBT.A.1

MD. Measurement and Data

A. Measure Lengths Indirectly And By Iterating Length Units.

1.MD.A.1

Order three objects by length; compare the lengths of two objects indirectly by using a third object.

Stretch	Module	Session Title	Standards
Stretch 1	Module 1	Ordering by Length	1.MD.A.1
Stretch 1	Module 2	Length Combinations	1.MD.A.1
Stretch 3	Module 1	Estimating and Comparing Length	1.MD.A.1, 1.MD.A.2
Stretch 5	Module 4	Composing 2D Shapes: Coding	1.G.A.1, 1.G.A.2, 1.MD.A.1
Stretch 6	Module 2	Comparing Length: Optical Illusions	1.MD.A.1, 1.MD.A.2

1.MD.A.2

Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.

Stretch	Module	Session Title	Standards
Stretch 3	Module 1	Estimating and Comparing Length	1.MD.A.1, 1.MD.A.2
Stretch 3	Module 2	Introducing Non-Standard Measurement Units	1.MD.A.2
Stretch 3	Module 3	Measuring and Defining 2D Shapes	1.G.A.1, 1.MD.A.2
Stretch 6	Module 1	Estimating Length: Everyday Objects	1.MD.A.2
Stretch 6	Module 2	Comparing Length: Optical Illusions	1.MD.A.1, 1.MD.A.2
Stretch 6	Module 3	Measuring Length: Distance	1.MD.A.2, 1.NBT.A.1
Stretch 6	Module 4	Measuring Length: The Maze	1.MD.A.2

B. Tell And Write Time.

1.MD.B.3

Tell and write time in hours and half-hours using analog and digital clocks.

Stretch	Module	Session Title	Standards
Stretch 1	Module 3	Estimating Time: Everyday Actions	1.MD.B.3
Stretch 1	Module 4	Telling Time: Digital and Analog Clocks	1.MD.B.3
Stretch 3	Module 4	Telling Time: Guess Who?	1.MD.B.3

C. Represent And Interpret Data.

1.MD.C.4

Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.

Stretch	Module	Session Title	Standards
Stretch 1	Module 5	Representing Data with Tally Charts	1.MD.C.4, 1.NBT.A.1
Stretch 2	Module 5	Creating Picture Graphs	1.MD.C.4
Stretch 3	Module 5	Introducing Bar Graphs	1.MD.C.4
Stretch 4	Module 5	Representing Data with Bar Graphs	1.MD.C.4
Stretch 5	Module 5	Interpreting Data in Bar Graphs	1.MD.C.4
Stretch 6	Module 5	Reading Data from News Graphs	1.MD.C.4

NBT. Number and Operations - Base Ten

A. Extend The Counting Sequence.

1.NBT.A.1

Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.

Stretch	Module	Session Title	Standards
Stretch 1	Module 1	Acoustic Counting Forward	1.NBT.A.1
Stretch 1	Module 1	Cardinal Counting	1.NBT.A.1, 1.NBT.B.3, 1.OA.D.7
Stretch 1	Module 1	Counting by Subitizing	1.NBT.A.1
Stretch 1	Module 2	Introducing the Bead String	1.NBT.A.1, 1.NBT.B.2
Stretch 1	Module 2	Addition: Counting On I	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 3	Addition: Jumping on the Bead String I	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.5, 1.OA.C.6
Stretch 1	Module 3	Addition: Counting On III	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 4	Addition: Counting On IV	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 5	Acoustic Counting Backward	1.NBT.A.1
Stretch 1	Module 5	Cardinal Counting by 10s I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.3
Stretch 1	Module 5	Representing Data with Tally Charts	1.MD.C.4, 1.NBT.A.1
Stretch 2	Module 1	Subtracting 1 and 2	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 1	Addition and Subtraction: Jumping	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.6

Stretch 2	Module 2	Introducing Doubles	1.NBT.A.1, 1.OA.C.6
Stretch 3	Module 1	Acoustic Counting Forward and Backward I	1.NBT.A.1, 1.NBT.B.3
Stretch 3	Module 1	Cardinal Counting by 10s II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b
Stretch 3	Module 1	Adding Three Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 3	Module 4	Acoustic Counting Forward and Backward II	1.NBT.A.1
Stretch 3	Module 4	Cardinal Counting by 10s III	1.NBT.A.1, 1.NBT.B.2
Stretch 3	Module 5	Introducing the 100 Chart	1.NBT.A.1, 1.NBT.C.5
Stretch 3	Module 5	Exploring the 100 Chart	1.NBT.A.1
Stretch 3	Module 5	Addition and Subtraction on the 100 Chart I	1.NBT.A.1, 1.NBT.C.4
Stretch 4	Module 1	Exploring Numbers in the World	1.NBT.A.1
Stretch 4	Module 1	Productive Practice: Adding Two Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 2	Number Line: From Beads to Colors (1-50)	1.NBT.A.1, 1.NBT.B.2
Stretch 4	Module 2	Jumping on the Number Line	1.NBT.A.1, 1.NBT.C.4
Stretch 4	Module 3	Subtraction: Jumping and Bridging Through 10 I	1.NBT.A.1, 1.NBT.C.5
Stretch 5	Module 1	Representing Numbers to 100	1.NBT.A.1, 1.NBT.B.2
Stretch 5	Module 1	Representing Numbers on the Abacus I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.3
Stretch 5	Module 1	Number Line: From Beads to Colors (1-100)	1.NBT.A.1
Stretch 5	Module 2	Jumping Forward on the Number Line	1.NBT.A.1, 1.NBT.C.4
Stretch 5	Module 3	Exploring Halves and Fourths	1.G.A.3, 1.NBT.A.1
Stretch 5	Module 4	Subtraction Word Problems: Taking From II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.C.5
Stretch 5	Module 5	Addition and Subtraction on the 100 Chart II	1.NBT.A.1, 1.NBT.C.4
Stretch 6	Module 1	Representing Numbers to 120	1.NBT.A.1, 1.NBT.B.2
Stretch 6	Module 1	Exploring the Number Chart	1.NBT.A.1
Stretch 6	Module 2	Classifying Numbers	1.NBT.A.1
Stretch 6	Module 3	Productive Practice: Number Patterns	1.NBT.A.1, 1.NBT.C.4, 1.OA.A.1, 1.OA.C.5
Stretch 6	Module 3	Measuring Length: Distance	1.MD.A.2, 1.NBT.A.1

B. Understand Place Value.

1.NBT.B.2

Understand that the two digits of a two-digit number represent amounts of tens and ones.

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Introducing the Bead String	1.NBT.A.1, 1.NBT.B.2
Stretch 1	Module 3	Addition: Jumping on the Bead String I	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.5, 1.OA.C.6
Stretch 1	Module 3	Addition: Counting On III	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 4	Addition: Counting On IV	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 5	Cardinal Counting by 10s I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.3
Stretch 1	Module 5	Counting with the Bead String I	1.NBT.B.2
Stretch 2	Module 1	Addition and Subtraction: Jumping	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.6
Stretch 3	Module 1	Cardinal Counting by 10s II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b
Stretch 3	Module 2	Counting with the Bead String II	1.NBT.B.2
Stretch 3	Module 3	Addition: Jumping on the Bead String III	1.NBT.B.2, 1.NBT.C.4
Stretch 3	Module 4	Cardinal Counting by 10s III	1.NBT.A.1, 1.NBT.B.2
Stretch 4	Module 2	Number Line: From Beads to Colors (1-50)	1.NBT.A.1, 1.NBT.B.2
Stretch 4	Module 5	Add & Subtract WP: Adding To and Taking From IV	1.NBT.B.2, 1.NBT.C.4, 1.OA.D.8
Stretch 5	Module 1	Representing Numbers to 100	1.NBT.A.1, 1.NBT.B.2
Stretch 5	Module 1	Representing Numbers on the Abacus I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.3
Stretch 5	Module 2	Addition: Jumping and Bridging Through 10 II	1.NBT.B.2, 1.NBT.C.4, 1.OA.B.3
Stretch 5	Module 3	Addition Word Problems: Adding To II	1.NBT.B.2, 1.NBT.C.4
Stretch 5	Module 3	Subtraction: Jumping Without Bridging	1.NBT.B.2, 1.NBT.C.5, 1.NBT.C.6, 1.OA.C.5

Stretch 5	Module 4	Subtraction: Jumping and Bridging Through 10 II	1.NBT.B.2, 1.NBT.C.5
Stretch 5	Module 4	Subtraction Word Problems: Taking From II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.C.5
Stretch 5	Module 5	Representing Numbers on the Abacus II	1.NBT.B.2, 1.NBT.B.3
Stretch 6	Module 1	Representing Numbers to 120	1.NBT.A.1, 1.NBT.B.2
Stretch 6	Module 1	Connecting Addition: Facts to Tens	1.NBT.B.2, 1.NBT.C.4, 1.OA.C.6
Stretch 6	Module 2	Connecting Subtraction: Facts to Tens	1.NBT.B.2, 1.NBT.C.6, 1.OA.B.4
Stretch 6	Module 3	Connecting Subtraction II	1.NBT.B.2, 1.NBT.C.4, 1.NBT.C.6, 1.OA.B.3
Stretch 6	Module 5	Productive Practice: Addition on Abacus	1.NBT.B.2, 1.NBT.C.4

1.NBT.B.2a

10 can be thought of as a bundle of ten ones — called a "ten."

Stretch	Module	Session Title	Standards
Stretch 1	Module 5	Cardinal Counting by 10s I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.3
Stretch 3	Module 1	Cardinal Counting by 10s II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b

1.NBT.B.2b

The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.

Stretch	Module	Session Title	Standards
Stretch 1	Module 5	Cardinal Counting by 10s I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.3
Stretch 3	Module 1	Cardinal Counting by 10s II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b

1.NBT.B.3

Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.

Stretch	Module	Session Title	Standards
Stretch 1	Module 1	Cardinal Counting	1.NBT.A.1, 1.NBT.B.3, 1.OA.D.7
Stretch 1	Module 5	Cardinal Counting by 10s I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.3
Stretch 3	Module 1	Acoustic Counting Forward and Backward I	1.NBT.A.1, 1.NBT.B.3
Stretch 3	Module 2	Estimation in Addition I	1.NBT.B.3, 1.OA.A.1
Stretch 4	Module 4	Estimation in Addition II	1.NBT.B.3, 1.OA.D.7
Stretch 4	Module 5	Productive Practice: Adding Three Numbers	1.NBT.B.3, 1.OA.A.2, 1.OA.C.6, 1.OA.D.7
Stretch 5	Module 1	Representing Numbers on the Abacus I	1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.3
Stretch 5	Module 5	Estimation in Subtraction	1.NBT.B.3, 1.OA.B.3
Stretch 5	Module 5	Representing Numbers on the Abacus II	1.NBT.B.2, 1.NBT.B.3
Stretch 6	Module 4	Productive Practice: Addition Number Cards	1.NBT.B.3, 1.NBT.C.4
Stretch 6	Module 4	Productive Practice: Subtraction Number Cards	1.NBT.B.3, 1.NBT.C.6, 1.OA.C.6

C. Use Place Value Understanding And Properties Of Operations To Add And Subtract.

1.NBT.C.4

Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.

Stretch	Module	Session Title	Standards
Stretch 3	Module 3	Addition: Jumping on the Bead String III	1.NBT.B.2, 1.NBT.C.4
Stretch 3	Module 3	Add & Subtract WP: Adding To and Taking From II	1.NBT.C.4

Stretch 3	Module 4	Productive Practice: Addition and Subtraction I	1.NBT.C.4, 1.OA.C.6
Stretch 3	Module 5	Addition and Subtraction on the 100 Chart I	1.NBT.A.1, 1.NBT.C.4
Stretch 4	Module 2	Jumping on the Number Line	1.NBT.A.1, 1.NBT.C.4
Stretch 4	Module 3	Addition: Jumping and Bridging Through 10 I	1.NBT.C.4
Stretch 4	Module 3	Add & Subtract WP: Adding To and Taking From III	1.NBT.C.4, 1.OA.A.1, 1.OA.B.4, 1.OA.D.8
Stretch 4	Module 4	Productive Practice: Addition and Subtraction II	1.NBT.C.4
Stretch 4	Module 5	Add & Subtract WP: Adding To and Taking From IV	1.NBT.B.2, 1.NBT.C.4, 1.OA.D.8
Stretch 5	Module 2	Jumping Forward on the Number Line	1.NBT.A.1, 1.NBT.C.4
Stretch 5	Module 2	Addition: Jumping Without Bridging	1.NBT.C.4, 1.OA.B.3
Stretch 5	Module 2	Addition: Jumping and Bridging Through 10 II	1.NBT.B.2, 1.NBT.C.4, 1.OA.B.3
Stretch 5	Module 3	Addition Word Problems: Adding To II	1.NBT.B.2, 1.NBT.C.4
Stretch 5	Module 5	Addition and Subtraction on the 100 Chart II	1.NBT.A.1, 1.NBT.C.4
Stretch 6	Module 1	Connecting Addition: Facts to Tens	1.NBT.B.2, 1.NBT.C.4, 1.OA.C.6
Stretch 6	Module 2	Connecting Addition II	1.NBT.C.4, 1.OA.B.3, 1.OA.C.6
Stretch 6	Module 3	Connecting Subtraction II	1.NBT.B.2, 1.NBT.C.4, 1.NBT.C.6, 1.OA.B.3
Stretch 6	Module 3	Add & Subtract WP: Adding To and Taking From V	1.NBT.C.4
Stretch 6	Module 3	Productive Practice: Number Patterns	1.NBT.A.1, 1.NBT.C.4, 1.OA.A.1, 1.OA.C.5
Stretch 6	Module 4	Add & Subtract WP: Adding To	1.NBT.C.4, 1.OA.B.4, 1.OA.D.8
Stretch 6	Module 4	Productive Practice: Addition Number Cards	1.NBT.B.3, 1.NBT.C.4
Stretch 6	Module 5	Productive Practice: Add & Subtract on 100 Chart	1.NBT.C.4, 1.OA.B.3, 1.OA.C.6
Stretch 6	Module 5	Productive Practice: Addition on Abacus	1.NBT.B.2, 1.NBT.C.4
Stretch 6	Module 5	Productive Practice: Fibonacci Worms	1.NBT.C.4, 1.OA.C.6

1.NBT.C.5

Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.

Stretch	Module	Session Title	Standards
Stretch 3	Module 5	Introducing the 100 Chart	1.NBT.A.1, 1.NBT.C.5
Stretch 4	Module 3	Subtraction: Jumping and Bridging Through 10 I	1.NBT.A.1, 1.NBT.C.5
Stretch 5	Module 3	Subtraction: Jumping Without Bridging	1.NBT.B.2, 1.NBT.C.5, 1.NBT.C.6, 1.OA.C.5
Stretch 5	Module 4	Subtraction: Jumping and Bridging Through 10 II	1.NBT.B.2, 1.NBT.C.5
Stretch 5	Module 4	Subtraction Word Problems: Taking From II	1.NBT.A.1, 1.NBT.B.2, 1.NBT.C.5

1.NBT.C.6

Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used

Stretch	Module	Session Title	Standards
Stretch 5	Module 3	Subtraction: Jumping Without Bridging	1.NBT.B.2, 1.NBT.C.5, 1.NBT.C.6, 1.OA.C.5
Stretch 6	Module 2	Connecting Subtraction: Facts to Tens	1.NBT.B.2, 1.NBT.C.6, 1.OA.B.4
Stretch 6	Module 3	Connecting Subtraction II	1.NBT.B.2, 1.NBT.C.4, 1.NBT.C.6, 1.OA.B.3
Stretch 6	Module 4	Productive Practice: Subtraction Number Cards	1.NBT.B.3, 1.NBT.C.6, 1.OA.C.6

OA. Operations and Algebraic Thinking

A. Represent And Solve Problems Involving Addition And Subtraction.

1.OA.A.1

Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Adding 1 and 2	1.OA.A.1, 1.OA.C.5, 1.OA.D.7
Stretch 1	Module 2	Addition: Counting On I	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 3	Addition: Counting On II – Adding from the Greater Number	1.OA.A.1, 1.OA.B.3, 1.OA.C.5
Stretch 1	Module 3	Addition: Counting On III	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 4	Addition: Counting On IV	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 4	Introducing the Additive Part-Part-Whole Frame	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.8
Stretch 2	Module 1	Subtracting 1 and 2	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 1	Subtraction: Counting Back	1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 2	Connecting Addition and Subtraction I	1.OA.A.1, 1.OA.B.4, 1.OA.C.6, 1.OA.D.7, 1.OA.D.8
Stretch 2	Module 3	Add & Subtract WP: Adding To and Taking From I	1.OA.A.1, 1.OA.C.6
Stretch 2	Module 4	Addition: Ten Frame and the Bead String	1.OA.A.1, 1.OA.C.6
Stretch 2	Module 4	Addition Word Problems: Adding To I	1.OA.A.1, 1.OA.C.6
Stretch 2	Module 5	Subtraction Word Problems: Taking From I	1.OA.A.1, 1.OA.C.6
Stretch 3	Module 2	Addition Word Problems: Adding Three Numbers	1.OA.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 3	Module 2	Estimation in Addition I	1.NBT.B.3, 1.OA.A.1
Stretch 4	Module 1	Connecting Addition I	1.OA.A.1, 1.OA.B.3, 1.OA.C.6
Stretch 4	Module 2	Connecting Subtraction I	1.OA.A.1, 1.OA.B.3, 1.OA.C.6
Stretch 4	Module 3	Add & Subtract WP: Adding To and Taking From III	1.NBT.C.4, 1.OA.A.1, 1.OA.B.4, 1.OA.D.8
Stretch 4	Module 4	Add & Subtract WP: Put Together and Taking Apart	1.OA.A.1, 1.OA.B.4, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 5	Module 4	Add & Subtract WP: Two-Step Situations	1.OA.A.1, 1.OA.A.2, 1.OA.C.6
Stretch 6	Module 3	Productive Practice: Number Patterns	1.NBT.A.1, 1.NBT.C.4, 1.OA.A.1, 1.OA.C.5

1.OA.A.2

Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

Stretch	Module	Session Title	Standards
Stretch 3	Module 1	Adding Three Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 3	Module 2	Addition Word Problems: Adding Three Numbers	1.OA.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 4	Module 1	Productive Practice: Adding Two Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 5	Productive Practice: Adding Three Numbers	1.NBT.B.3, 1.OA.A.2, 1.OA.C.6, 1.OA.D.7
Stretch 5	Module 4	Add & Subtract WP: Two-Step Situations	1.OA.A.1, 1.OA.A.2, 1.OA.C.6

B. Understand And Apply Properties Of Operations And The Relationship Between Addition And Subtraction

1.OA.B.3

Apply properties of operations as strategies to add and subtract.* Examples: If 8 + 3 = 11 is known, then 3 + 8 = 11 is also known. (Commutative property of addition.) To add 2 + 6 + 4, the second two numbers can be added to make a ten, so 2 + 6 + 4 = 2 + 10 = 12. (Associative property of addition.)

Stretch	Module	Session Title	Standards
Stretch 1	Module 3	Addition: Counting On II – Adding from the Greater Number	1.OA.A.1, 1.OA.B.3, 1.OA.C.5

Stretch 1	Module 4	Introducing the Additive Part-Part-Whole Frame	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.8
Stretch 1	Module 4	Exploring the Additive Part-Part-Whole Frame	1.OA.B.3, 1.OA.B.4, 1.OA.C.6, 1.OA.D.8
Stretch 2	Module 2	Addition: Making 10	1.OA.B.3, 1.OA.B.4, 1.OA.C.6
Stretch 2	Module 3	Subtraction: Making 10	1.OA.B.3, 1.OA.B.4, 1.OA.C.6
Stretch 2	Module 3	Connecting Addition and Subtraction II	1.OA.B.3, 1.OA.C.5, 1.OA.C.6
Stretch 3	Module 1	Adding Three Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 3	Module 2	Addition Word Problems: Adding Three Numbers	1.OA.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 4	Module 1	Connecting Addition I	1.OA.A.1, 1.OA.B.3, 1.OA.C.6
Stretch 4	Module 2	Connecting Subtraction I	1.OA.A.1, 1.OA.B.3, 1.OA.C.6
Stretch 4	Module 5	Connecting Addition and Subtraction III	1.OA.B.3, 1.OA.C.6, 1.OA.D.7
Stretch 5	Module 2	Addition: Jumping Without Bridging	1.NBT.C.4, 1.OA.B.3
Stretch 5	Module 2	Addition: Jumping and Bridging Through 10 II	1.NBT.B.2, 1.NBT.C.4, 1.OA.B.3
Stretch 5	Module 5	Estimation in Subtraction	1.NBT.B.3, 1.OA.B.3
Stretch 6	Module 2	Connecting Addition II	1.NBT.C.4, 1.OA.B.3, 1.OA.C.6
Stretch 6	Module 3	Connecting Subtraction II	1.NBT.B.2, 1.NBT.C.4, 1.NBT.C.6, 1.OA.B.3
Stretch 6	Module 5	Productive Practice: Add & Subtract on 100 Chart	1.NBT.C.4, 1.OA.B.3, 1.OA.C.6

1.OA.B.4

Understand subtraction as an unknown-addend problem. For example, subtract 10 – 8 by finding the number that makes 10 when added to 8.

Stretch	Module	Session Title	Standards
Stretch 1	Module 4	Introducing the Additive Part-Part-Whole Frame	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.8
Stretch 1	Module 4	Exploring the Additive Part-Part-Whole Frame	1.OA.B.3, 1.OA.B.4, 1.OA.C.6, 1.OA.D.8
Stretch 2	Module 2	Connecting Addition and Subtraction I	1.OA.A.1, 1.OA.B.4, 1.OA.C.6, 1.OA.D.7, 1.OA.D.8
Stretch 2	Module 2	Addition: Making 10	1.OA.B.3, 1.OA.B.4, 1.OA.C.6
Stretch 2	Module 3	Subtraction: Making 10	1.OA.B.3, 1.OA.B.4, 1.OA.C.6
Stretch 4	Module 3	Add & Subtract WP: Adding To and Taking From III	1.NBT.C.4, 1.OA.A.1, 1.OA.B.4, 1.OA.D.8
Stretch 4	Module 4	Add & Subtract WP: Put Together and Taking Apart	1.OA.A.1, 1.OA.B.4, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 6	Module 2	Connecting Subtraction: Facts to Tens	1.NBT.B.2, 1.NBT.C.6, 1.OA.B.4
Stretch 6	Module 4	Add & Subtract WP: Adding To	1.NBT.C.4, 1.OA.B.4, 1.OA.D.8

C. Add And Subtract Within 20.

1.OA.C.5

Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

Stretch	Module	Session Title	Standards
Stretch 1	Module 2	Adding 1 and 2	1.OA.A.1, 1.OA.C.5, 1.OA.D.7
Stretch 1	Module 2	Addition: Counting On I	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5
Stretch 1	Module 3	Addition: Jumping on the Bead String I	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.5, 1.OA.C.6
Stretch 1	Module 3	Addition: Counting On II – Adding from the Greater Number	1.OA.A.1, 1.OA.B.3, 1.OA.C.5
Stretch 1	Module 3	Addition: Counting On III	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5

Stretch 1	Module 4	Addition: Counting On IV	1.NBT.A.1, 1.NBT.B.2, 1.OA.A.1, 1.OA.C.5
Stretch 2	Module 1	Subtracting 1 and 2	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 1	Subtraction: Counting Back	1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 3	Connecting Addition and Subtraction II	1.OA.B.3, 1.OA.C.5, 1.OA.C.6
Stretch 3	Module 1	Adding Three Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 3	Module 2	Addition Word Problems: Adding Three Numbers	1.OA.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.C.5
Stretch 3	Module 3	Subtraction: Jumping on the Bead String II	1.OA.C.5
Stretch 4	Module 1	Productive Practice: Adding Two Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 4	Add & Subtract WP: Put Together and Taking Apart	1.OA.A.1, 1.OA.B.4, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 5	Module 3	Subtraction: Jumping Without Bridging	1.NBT.B.2, 1.NBT.C.5, 1.NBT.C.6, 1.OA.C.5
Stretch 6	Module 3	Productive Practice: Number Patterns	1.NBT.A.1, 1.NBT.C.4, 1.OA.A.1, 1.OA.C.5

1.OA.C.6

Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14); decomposing a number leading to a ten (e.g., 13 − 4 = 13 − 3 − 1 = 10 − 1 = 9); using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 − 8 = 4); and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).

Stretch	Module	Session Title	Standards
Stretch 1	Module 3	Addition: Jumping on the Bead String I	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.5, 1.OA.C.6
Stretch 1	Module 4	Exploring the Additive Part-Part-Whole Frame	1.OA.B.3, 1.OA.B.4, 1.OA.C.6, 1.OA.D.8
Stretch 2	Module 1	Subtracting 1 and 2	1.NBT.A.1, 1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 1	Addition and Subtraction: Jumping	1.NBT.A.1, 1.NBT.B.2, 1.OA.C.6
Stretch 2	Module 1	Subtraction: Counting Back	1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 2	Introducing Doubles	1.NBT.A.1, 1.OA.C.6
Stretch 2	Module 2	Connecting Addition and Subtraction I	1.OA.A.1, 1.OA.B.4, 1.OA.C.6, 1.OA.D.7, 1.OA.D.8
Stretch 2	Module 2	Addition: Making 10	1.OA.B.3, 1.OA.B.4, 1.OA.C.6
Stretch 2	Module 3	Subtraction: Making 10	1.OA.B.3, 1.OA.B.4, 1.OA.C.6
Stretch 2	Module 3	Connecting Addition and Subtraction II	1.OA.B.3, 1.OA.C.5, 1.OA.C.6
Stretch 2	Module 3	Add & Subtract WP: Adding To and Taking From I	1.OA.A.1, 1.OA.C.6
Stretch 2	Module 4	Addition: Jumping on the Bead String II	1.OA.C.6
Stretch 2	Module 4	Addition: Ten Frame and the Bead String	1.OA.A.1, 1.OA.C.6
Stretch 2	Module 4	Addition Word Problems: Adding To I	1.OA.A.1, 1.OA.C.6
Stretch 2	Module 5	Subtraction: Jumping on the Bead String I	1.OA.C.6
Stretch 2	Module 5	Subtraction: Ten Frame and the Bead String	1.OA.C.6
Stretch 2	Module 5	Subtraction Word Problems: Taking From I	1.OA.A.1, 1.OA.C.6
Stretch 3	Module 4	Productive Practice: Addition and Subtraction I	1.NBT.C.4, 1.OA.C.6
Stretch 4	Module 1	Productive Practice: Adding Two Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 1	Connecting Addition I	1.OA.A.1, 1.OA.B.3, 1.OA.C.6
Stretch 4	Module 2	Connecting Subtraction I	1.OA.A.1, 1.OA.B.3, 1.OA.C.6
Stretch 4	Module 4	Add & Subtract WP: Put Together and Taking Apart	1.OA.A.1, 1.OA.B.4, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 5	Connecting Addition and Subtraction III	1.OA.B.3, 1.OA.C.6, 1.OA.D.7
Stretch 4	Module 5	Productive Practice: Adding Three Numbers	1.NBT.B.3, 1.OA.A.2, 1.OA.C.6, 1.OA.D.7
Stretch 5	Module 4	Add & Subtract WP: Two-Step Situations	1.OA.A.1, 1.OA.A.2, 1.OA.C.6

Stretch 6	Module 1	Connecting Addition: Facts to Tens	1.NBT.B.2, 1.NBT.C.4, 1.OA.C.6
Stretch 6	Module 2	Connecting Addition II	1.NBT.C.4, 1.OA.B.3, 1.OA.C.6
Stretch 6	Module 4	Productive Practice: Subtraction Number Cards	1.NBT.B.3, 1.NBT.C.6, 1.OA.C.6
Stretch 6	Module 5	Productive Practice: Add & Subtract on 100 Chart	1.NBT.C.4, 1.OA.B.3, 1.OA.C.6
Stretch 6	Module 5	Productive Practice: Fibonacci Worms	1.NBT.C.4, 1.OA.C.6

D. Work With Addition And Subtraction Equations.

1.OA.D.7

Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. For example, which of the following equations are true and which are false? 6 = 6, 7 = 8 − 1, 5 + 2 = 2 + 5, 4 + 1 = 5 + 2.

Stretch	Module	Session Title	Standards
Stretch 1	Module 1	Cardinal Counting	1.NBT.A.1, 1.NBT.B.3, 1.OA.D.7
Stretch 1	Module 2	Adding 1 and 2	1.OA.A.1, 1.OA.C.5, 1.OA.D.7
Stretch 2	Module 2	Connecting Addition and Subtraction I	1.OA.A.1, 1.OA.B.4, 1.OA.C.6, 1.OA.D.7, 1.OA.D.8
Stretch 4	Module 4	Estimation in Addition II	1.NBT.B.3, 1.OA.D.7
Stretch 4	Module 5	Connecting Addition and Subtraction III	1.OA.B.3, 1.OA.C.6, 1.OA.D.7
Stretch 4	Module 5	Productive Practice: Adding Three Numbers	1.NBT.B.3, 1.OA.A.2, 1.OA.C.6, 1.OA.D.7

1.OA.D.8

Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations 8 + ? = 11, 5 = ? − 3, 6 + 6 = ?.

Stretch	Module	Session Title	Standards
Stretch 1	Module 4	Introducing the Additive Part-Part-Whole Frame	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.8
Stretch 1	Module 4	Exploring the Additive Part-Part-Whole Frame	1.OA.B.3, 1.OA.B.4, 1.OA.C.6, 1.OA.D.8
Stretch 2	Module 2	Connecting Addition and Subtraction I	1.OA.A.1, 1.OA.B.4, 1.OA.C.6, 1.OA.D.7, 1.OA.D.8
Stretch 4	Module 1	Productive Practice: Adding Two Numbers	1.NBT.A.1, 1.OA.A.2, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 3	Add & Subtract WP: Adding To and Taking From III	1.NBT.C.4, 1.OA.A.1, 1.OA.B.4, 1.OA.D.8
Stretch 4	Module 4	Add & Subtract WP: Put Together and Taking Apart	1.OA.A.1, 1.OA.B.4, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Stretch 4	Module 5	Add & Subtract WP: Adding To and Taking From IV	1.NBT.B.2, 1.NBT.C.4, 1.OA.D.8
Stretch 6	Module 4	Add & Subtract WP: Adding To	1.NBT.C.4, 1.OA.B.4, 1.OA.D.8