Level B Correlation to Grade 1 Common Core State Standards for Mathematics

Operations and Algebraic Thinking (1.OA)

Represent and solve problems involving addition and subtraction.

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.

Lesson	12	13	14	15	16	17	18	19	20	21
Exercise	12.3	13.6	14.3	15.8	16.10	17.8	18.6	19.6	20.5	21.8

Lesson	22	23	24	25	27	28	29	30	31	32
Exercise	22.9	23.10	24.9	25.10	27.10	28.8	29.9	30.8	31.8	32.10

Lesson	33	34	36	37
Exercise	33.10	34.10	36.9	37.9

Operations and Algebraic Thinking (1.OA)

Represent and solve problems involving addition and subtraction.

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.

This standard is addressed in the following activities of the Student Practice Software:

- **Block 6:** Activity 4
- **Block 6:** Activity 6

Operations and Algebraic Thinking (1.OA)

Understand and apply properties of operations and the relationship between addition and subtraction.

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.)

Lesson	11	12	13	14	15	16	17	18	19	20
Exercise	11.1, 11.3	12.1, 12.10	13.1, 13.10	14.1, 14.9	15.5, 15.7	16.3, 16.9, IW16.13	17.2, IW17.11	18.8, IW18.10	19.10, IW19.12	20.4, 20.6, IW20.10

Lesson	21	22	23	24	25	26	27	28	29	30
Exercise	21.5, IW21.11	22.3, 22.7, 22.8, IW22.11	23.3, 23.9, IW23.11	24.1, 24.3, 24.10, IW24.11	25.1, 25.3, 25.8, IW25.11	26.5, 26.11, IW26.12	27.1, 27.7, 27.8, IW27.12	28.2, 28.6, IW28.11	29.7, 29.8, IW29.10	30.7, 30.9

Lesson	33	34	35	36	37	38	39
Exercise	33.2, 33.4, IW33.11	34.6, IW34.11	35.4, IW35.11	36.1, IW36.10	37.5, IW37.11	IW38.11	IW39.11

Operations and Algebraic Thinking (1.OA)

Understand and apply properties of operations and the relationship between addition and subtraction.

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

This standard is first addressed in **Lesson 71.**

Operations and Algebraic Thinking (1.OA)

Add and subtract within 20.

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

Lesson	1	2	3	4	5	6	7	8	9	10
Exercise	1.3	2.3, 2.6	3.3, 3.4, 3.6	4.4	5.7, 5.8	6.6, 6.7	7.4, 7.8	8.1, 8.3, 8.5	9.3, 9.4, 9.7	10.5, 10.6, 10.11

Lesson	11	12	13	14	15	16	17	18	19	22
Exercise	11.2, 11.7, 11.10	12.2, 12.6, 12.11	13.3	14.2, 14.4	15.3	16.5	17.5	18.7	19.1	22.5

Lesson	23	24	25	26	28	29	30	33	34	35
Exercise	23.4	24.2	25.2	26.6	28.1	29.2	30.3	33.1	34.2	35.3

Lesson	37	38	39	40
Exercise	37.4	38.3	39.3	40.2

Operations and Algebraic Thinking (1.OA)

Add and subtract within 20.

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).

Lesson	1	2	3	4	5	6	7	8	9	10
Exercise	1.3	2.3, 2.6	3.3, 3.6	4.4, 4.8	5.2, 5.8	6.6, 6.9	7.3, 7.6, 7.8, 7.10	8.4, 8.5, 8.7, 8.9	9.3, 9.6, 9.9	10.5, 10.7, 10.10

Lesson	11	12	13	14	15	16	17	18	19	20
Exercise	11.2, 11.3, 11.9	12.2, 12.8, 12.10, 12.11	13.1, 13.4, 13.8, 13.10	14.1, 14.2, 14.7, 14.9	15.4, 15.5, 15.7, 15.9	16.3, 16.5, 16.6, 16.8, 16.9, 16.10, IW16.13	17.2, 17.3, 17.6, IW17.11	18.4, 18.8, IW18.10	19.8, 19.10, 19.11, IW19.12	20.4, 20.7, 20.8, IW20.10

Lesson	21	22	23	24	25	26	27	28	29	30
Exercise	21.5, 21.7, 21.10, IW21.11	22.3, 22.7, 22.8, 22.10, IW22.11	23.3, 23.7, 23.8, 23.9, 23.10, IW23.11	24.3, 24.6, 24.8, 24.10, IW24.11	25.3, 25.6, 25.8, 25.9, 25.10, IW25.11	26.2, 26.5, 26.8, 26.10, 26.11, IW26.12	27.1, 27.3, 27.5, 27.7, 27.8, 27.10, IW27.12	28.2, 28.4, 28.6, 28.7, 28.8, IW28.11	29.3, 29.7, 29.8, 29.9, IW29.10	30.1, 30.6, 30.7, 30.8, 30.9, IW30.11

Lesson	31	32	33	34	35	36	37	38	39	40
Exercise	31.1, 31.5, 31.7, 31.8, 31.10, IW31.11	32.5, 32.7, 32.9, 32.10, IW32.11	33.2, 33.4, 33.9, 33.10, IW33.11	34.4, 34.6, 34.8, 34.10, IW34.11	35.1, 35.4, 35.7, IW35.11	36.1, 36.4, 36.6, 36.9, IW36.10	37.2, 37.3, 37.5, 37.9, IW37.11	38.1, 38.2, 38.4, 38.5, 38.7, 38.9, IW38.11	39.1, 39.2, 39.4, 39.6, 39.10, IW39.11	40.1, 40.3, 40.4, 40.6, 40.9, IW40.10

Operations and Algebraic Thinking (1.OA)

Work with addition and subtraction equations.

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.

Lesson	1	2	3	4	5	6	7	8	10	13
Exercise	1.5	2.7	3.8	4.5	5.9	IW6.11	IW7.12	IW8.13	IW10.13	IW13.12

Lesson	15	17
Exercise	IW15.10	IW17.11

Operations and Algebraic Thinking (1.OA)

Work with addition and subtraction equations.

8. Determine the unknown whole number in an addition or subtraction equation relating to 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 = __.

Lesson	4	5	6	7	8	9	10	11	12	13
Exercise	4.8	5.2	6.9	7.10	8.7, 8.9	9.6, 9.7, 9.9	10.4, 10.7, 10.10, 10.11	11.3, 11.9, 11.10	12.8, 12.10, 12.11	13.8, 13.10, 13.11

Lesson	14	15	16	17	18	19	20	21	22	23
Exercise	14.7, 14.9, 14.10	15.4, 15.7, 15.9	IW16.13	17.3, 17.10, IW17.11	18.4, 18.9, IW18.10	19.4, 19.8, 19.11, IW19.12	20.7, 20.8, IW20.10	21.7, 21.10, IW21.11	22.8, IW22.11	23.3, 23.7, IW23.11

Lesson	24	25	26	27	28	29	30	31	32	33
Exercise	24.1, 24.3, 24.8, IW24.11	25.1, 25.3, 25.9, 25.10, IW25.11	26.4, 26.5, 26.8, 26.10, IW26.12	27.3, 27.5, 27.8, 27.9, 27.11, IW27.12	28.4, 28.6, 28.10, IW28.11	29.3, 29.6, 29.8, IW29.10	30.1, 30.4, 30.7, 30.10, IW30.11	31.4, 31.8, 31.10, IW31.11	32.2, 32.6, 32.7, 32.10, IW32.11	33.4, 33.6, 33.8, 33.10, IW33.11

Lesson	34	35	36	37	38	39	40
Exercise	34.1, 34.6, 34.9, 34.10, IW34.11	35.5, 35.8, 35.9, 35.10, IW35.11	36.6, 36.7, 36.8, 36.9, IW36.10	37.2, 37.8, 37.9, IW37.11	38.2, 38.7, 38.9, IW38.11	39.2, 39.9, 39.10, IW39.11	40.4, 40.5, 40.8, 40.9, IW40.10

Number and Operations in Base Ten (1.NBT)

Extend the counting sequence.

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.

Lesson	1	2	3	4	5	6	7	8	9	10
Exercise	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.8, 3.9, 3.10	4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 4.8, 4.9, IW4.10	5.1, 5.2, 5.3, 5.6, 5.7, 5.8, 5.9, 5.10, IW5.11	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, IW6.11	7.1, 7.2, 7.6, 7.7, 7.8, 7.9, 7.10, 7.11, IW7.12	8.2, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12, IW8.13	9.1, 9.2, 9.5, 9.6, 9.7, 9.8, 9.9, 9.10, 9.11	10.1, 10.2, 10.3, 10.4, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, IW10.13

Lesson	11	12	13	14	15	16	17	18	19	20
Exercise	11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.8, 11.9, 11.10, 11.11, 11.12	12.4, 12.5, 12.7, 12.8, 12.9, 12.10, 12.11, 12.12	13.1, 13.2, 13.5, 13.7, 13.8, 13.9, 13.11, IW13.12	14.5, 14.6, 14.7, 14.8, 14.9, 14.10, IW14.11	15.1, 15.2, 15.4, 15.5, 15.6, 15.7, 15.9, IW15.10	16.2, 16.3, 16.4, 16.5, 16.8, 16.11, 16.12, IW16.13	17.1, 17.3, 17.4, 17.7, 17.8, 17.10, IW17.11	18.1, 18.2, 18.4, 18.5, 18.6, 18.8, 18.9, IW18.10	19.2, 19.3, 19.4, 19.5, 19.6, 19.7, 19.8, 19.9, 19.10, 19.11, IW19.12	20.2, 20.3, 20.4, 20.5, 20.6, 20.7, 20.8, 20.9, IW20.10

Lesson	21	22	23	24	25	26	27	28	29	30
Exercise	21.1, 21.3, 21.4, 21.5, 21.7, 21.8, 21.10, IW21.11	22.2, 22.3, 22.4, 22.6, 22.7, 22.8, 22.9, 22.10, IW22.11	23.2, 23.3, 23.5, 23.6, 23.7, 23.8, 23.9, 23.10, IW23.11	24.1, 24.3, 24.4, 24.5, 24.7, 24.8, 24.9, 24.10, IW24.11	25.1, 25.3, 25.4, 25.5, 25.6, 25.7, 25.8, 25.9, 25.10, IW25.11	26.1, 26.2, 26.5, 26.7, 26.8, 26.9, 26.10, 26.11, IW26.12	27.1, 27.3, 27.4, 27.5, 27.6, 27.7, 27.8, 27.9, 27.10, 27.11, IW27.12	28.1, 28.2, 28.3, 28.4, 28.6, 28.7, 28.8, 28.9, 28.10, IW28.11	29.1, 29.2, 29.3, 29.6, 29.7, 29.8, 29.9, IW29.10	30.1, 30.2, 30.3, 30.4, 30.6, 30.7, 30.8, 30.9, 30.10, IW30.11

Lesson	31	32	33	34	35	36	37	38	39	40
Exercise	31.1, 31.2, 31.4, 31.5, 31.7, 31.8, 31.9, 31.10, IW31.11	32.2, 32.3, 32.4, 32.5, 32.6, 32.7, 32.8, 32.9, 32.10, IW32.11	33.1, 33.2, 33.3, 33.4, 33.5, 33.6, 33.7, 33.8, 33.9, 33.10, IW33.11	34.1, 34.4, 34.6, 34.7, 34.8, 34.9, 34.10, IW34.11	35.1, 35.2, 35.3, 35.4, 35.5, 35.7, 35.8, 35.9, 35.10, IW35.11	36.1, 36.2, 36.4, 36.6, 36.7, 36.8, 36.9, IW36.10	37.2, 37.3, 37.5, 37.6, 37.7, 37.8, 37.9, 37.10, IW37.11	38.1, 38.2, 38.5, 38.6, 38.7, 38.8, 38.9, 38.10, IW38.11	39.1, 39.2, 39.4, 39.6, 39.7, 39.8, 39.9, 39.10, IW39.11	40.1, 40.3, 40.4, 40.5, 40.6, 40.7, 40.8, 40.9, IW40.10

Number and Operations in Base Ten (1.NBT)

Understand place value.

2. Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: a. 10 can be thought of as a bundle of ten ones — called a "ten." b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).

Lesson	16	17	18	19	20	21	22	23	24	25
Exercise	16.1	17.9	18.3	19.9	20.9	21.9	22.10	23.8	24.1, 24.7	25.1, 25.7, 25.9

Lesson	26	27	28	29	30	31	32	33	34	35
Exercise	26.7, 26.9	27.6, 27.9	28.3, IW28.11	29.1, 29.6	30.2	31.2, IW31.11	IW32.11	33.5, 33.6, IW33.11	34.1, IW34.11	35.2, 35.8, 35.9, IW35.11

Lesson	36	37	38	39	40
Exercise	36.2, IW36.10	37.7, IW37.11	38.6, IW38.11	39.7, 39.9	IW40.10

Number and Operations in Base Ten (1.NBT)

Understand place value.

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

This standard is addressed in the following activities of the Student Practice Software:

- **Block 4:** Activity 4
- **Block 5:** Activity 6

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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.

Lesson	1	2	3	4	5	6	7	8	9	10
Exercise	1.3	2.3, 2.6	3.3, 3.4, 3.6	4.3, 4.4, 4.8	5.2, 5.7	6.7, 6.9	7.3, 7.4, 7.6, 7.10	8.1, 8.3, 8.4, 8.7, 8.9	9.4, 9.6, 9.7, 9.9	10.6, 10.7, 10.10, 10.11

Lesson	11	12	13	14	15	16	17	18	19	20
Exercise	11.3, 11.7, 11.9, 11.10	12.6, 12.8, 12.10, 12.11	13.1, 13.3, 13.8, 13.10, 13.11	14.1, 14.4, 14.7, 14.9, 14.10	15.3, 15.5, 15.7, 15.9	16.1, 16.3, 16.6, 16.9, IW16.13	17.2, 17.3, 17.5, 17.6, 17.9, 17.10, IW17.11	18.3, 18.4, 18.7, 18.8, 18.9, IW18.10	19.1, 19.4, 19.8, 19.9, 19.10, 19.11, IW19.12	20.1, 20.4, 20.6, 20.7, 20.8, 20.9, IW20.10

Lesson	21	22	23	24	25	26	27	28	29	30
Exercise	21.2, 21.5, 21.7, 21.9, IW21.11	22.3, 22.5, 22.7, 22.10, IW22.11	23.1, 23.3, 23.7, 23.8, 23.9, 23.10, IW23.11	24.1, 24.8, 24.10, IW24.11	25.1, 25.8, 25.9, 25.10, IW25.11	26.2, 26.4, 26.5, 26.8, 26.9, 26.10, 26.11, IW26.12	27.1, 27.2, 27.3, 27.5, 27.7, 27.9, 27.10, 27.11, IW27.12	28.2, 28.4, 28.6, 28.8, 28.10, IW28.11	29.3, 29.4, 29.6, 29.7, 29.8, 29.9, IW29.10	30.1, 30.7, 30.8, 30.9, 30.10, IW30.11

Lesson	31	32	33	34	35	36	37	38	39	40
Exercise	31.3, 31.7, 31.8, 31.10, IW31.11	32.1, 32.6, 32.7, 32.9, 32.10, IW32.11	33.2, 33.4, 33.6, 33.10, IW33.11	34.1, 34.3, 34.6, 34.8, 34.10, IW34.11	35.4, 35.6, 35.7, 35.8, IW35.11	36.1, 36.3, 36.6, 36.9, IW36.10	37.1, 37.2, 37.3, 37.4, 37.5, 37.9, IW37.11	38.1, 38.2, 38.4, 38.5, 38.7, 38.9, IW38.11	39.1, 39.2, 39.4, 39.5, 39.6, 39.10, IW39.11	40.1, 40.3, 40.4, 40.5, 40.6, 40.9, IW40.10

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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

Lesson	3	5	6	8	9	10	11	12	13	14
Exercise	3.4	5.7	6.7	8.3	9.4, 9.7	10.6, 10.11	11.10	12.11	13.11	14.10

Lesson	17	18	19	20	21	22	23	24	25	26
Exercise	17.10	18.9	19.4, IW19.12	20.1, IW20.10	21.2, IW21.11	22.5, IW22.11	23.1, IW23.11	IW24.11	25.9, IW25.11	26.4, IW26.12

Lesson	27	28	29	30	31	32	33	34	35	36
Exercise	27.2, IW27.12	IW28.11	29.4, IW29.10	IW30.11	31.3, IW31.11	32.1, IW32.11	IW33.11	34.3	35.6, IW35.11	36.3, IW36.10

Lesson	37	38	39	40
Exercise	37.1, IW37.11	38.4, IW38.11	39.5, IW39.11	40.5

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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.

This standard is first addressed in **Lesson 54.**

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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

This standard is first addressed in **Lesson 93.**

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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.

This standard is addressed in the following activities of the Student Practice Software:

- **Block 3:** Activity 6
- **Block 6:** Activity 5

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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

This standard is first addressed in **Lesson 91.**

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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.

This standard is first addressed in **Lesson 122.**

Geometry (1.G)

Reason with shapes and their attributes.

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.

This standard is first addressed in **Lesson 61.**

Geometry (1.G)

Reason with shapes and their attributes.

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.

This standard is first addressed in **Lesson 69.**

Geometry (1.G)

Reason with shapes and their attributes.

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.

This standard is first addressed in **Lesson 117.**

Level B Correlation to Grade 1 Common Core State Standards for Mathematics

Operations and Algebraic Thinking (1.OA)

Represent and solve problems involving addition and subtraction.

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.

Lesson	43
Exercise	43.9

Operations and Algebraic Thinking (1.OA)

Represent and solve problems involving addition and subtraction.

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.

This standard is addressed in the following activities of the Student Practice Software:

- **Block 6:** Activity 4
- **Block 6:** Activity 6

Operations and Algebraic Thinking (1.OA)

Understand and apply properties of operations and the relationship between addition and subtraction.

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.)

Lesson	41	42	43	44	46	47	48	49	50	51
Exercise	IW41.12	IW42.11	IW43.10	IW44.11	IW46.10	47.3	48.4	49.4, IW49.10	50.3, 50.7, IW50.11	51.7, IW51.10

Lesson	52	53	54	55	56	57	58	61	62	63
Exercise	IW52.9	IW53.10	54.3	55.5	56.1	57.2	58.2	61.1	IW62.10	63.1

Lesson	64	65	66	67	68	70	77	79	80
Exercise	64.1, IW64.10	65.2	66.1	67.1, IW67.10	68.1	70.1	IW77.9	79.1	80.1

Operations and Algebraic Thinking (1.OA)

Understand and apply properties of operations and the relationship between addition and subtraction.

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

Lesson	71	72	73	74	75
Exercise	71.6	72.6	73.6	74.6	75.7

Operations and Algebraic Thinking (1.OA)

Add and subtract within 20.

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

Lesson	41	42	47	48	49	50	51	52	53	54
Exercise	41.2	42.2	47.2	48.2	49.3, 49.5	50.6	51.6	52.6	53.1, 53.5	54.2, 54.7

Lesson	55	56	57	58	59	62	63	64	65	66
Exercise	55.7	56.8	57.8	58.6	59.9	62.1	63.7	64.6	65.8	66.7

Lesson	67	68	69	70	71	72	73	74	75	76
Exercise	67.7	68.8	69.7	70.6	71.6, 71.9	72.6, 72.8	73.6, IW73.10	74.6, IW74.10	75.7, IW75.9	IW76.9

Lesson	77	78	79	80
Exercise	IW77.9	IW78.9	IW79.9	IW80.9

Operations and Algebraic Thinking (1.OA)

Add and subtract within 20.

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).

Lesson	41	42	43	44	45	46	47	48	49	50
Exercise	41.1, 41.4, 41.6, 41.11, IW41.12	42.1, 42.4, 42.6, 42.10	43.1, 43.4, 43.6, 43.8, 43.9, IW43.10	44.2, 44.5, 44.6, 44.8, 44.10, IW44.11	45.2, 45.3, 45.5, 45.6, 45.8, 45.10, IW45.11	46.1, 46.4, 46.5, 46.7, 46.9	47.1, 47.3, 47.5, 47.7, 47.9, IW47.10	48.1, 48.3, 48.5, 48.6, 48.9, 48.10, IW48.11	49.1, 49.4, 49.5, 49.6, 49.8, IW49.10	50.1, 50.3, 50.5, 50.6, 50.7, 50.9, 50.10, IW50.11

Lesson	51	52	53	54	55	56	57	58	59	60
Exercise	51.1, 51.3, 51.4, 51.5, 51.6, 51.7, IW51.10	52.1, 52.3, 52.4, 52.5, 52.6, 52.8, IW52.9	53.2, 53.4, 53.5, 53.6, 53.9, IW53.10	54.1, 54.3, 54.6, 54.7, 54.8, IW54.10	55.1, 55.3, 55.5, 55.7, 55.8, IW55.11	56.1, 56.4, 56.7, 56.8, IW56.10	57.2, 57.5, 57.9	58.2, 58.5, 58.9, IW58.10	59.5, 59.7, IW59.11	60.1, 60.6, 60.9, IW60.11

Lesson	61	62	63	64	65	66	67	68	69	70
Exercise	61.1, 61.5, 61.7, IW61.10	62.1, 62.5, 62.9, IW62.10	63.1, 63.4, 63.6, 63.7, IW63.10	64.1, 64.4, 64.6, IW64.10	65.2, 65.6, 65.8, IW65.10	66.1, 66.5, 66.7, 66.8, IW66.10	67.1, 67.6, 67.7, 67.9, IW67.10	68.1, 68.5	69.1, 69.5, 69.8, IW69.10	70.2, 70.5, 70.8, IW70.10

Lesson	71	72	73	74	75	76	77	78	79	80
Exercise	71.1, 71.5, 71.6, 71.8, IW71.10	72.1, 72.4, 72.6, 72.9, IW72.10	73.1, 73.4, 73.8, IW73.10	74.1, 74.4, 74.8, IW74.10	75.1, 75.5, 75.7, 75.8	76.1, 76.4, 76.8, IW76.9	77.2, 77.3, 77.7, IW77.9	78.1, 78.2, 78.7	79.1, 79.2, 79.5, 79.7	80.1, 80.4, 80.6, 80.7

Operations and Algebraic Thinking (1.OA)

Work with addition and subtraction equations.

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.

Lesson	62	63
Exercise	62.1	63.7

Operations and Algebraic Thinking (1.OA)

Work with addition and subtraction equations.

8. Determine the unknown whole number in an addition or subtraction equation relating to 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 = __.

Lesson	41	42	43	44	45	46	47	48	49	50
Exercise	41.4, 41.6, 41.8, 41.9, 41.11, IW41.12	42.3, 42.6, 42.7, 42.8, 42.9, 42.10, IW42.11	43.1, 43.4, 43.5, 43.7, 43.8, 43.9, IW43.10	44.2, 44.6, 44.8, 44.9, 44.10, IW44.11	45.2, 45.6, 45.7, 45.9, 45.10, IW45.11	46.1, 46.5, 46.6, 46.9, IW46.10	47.1, 47.5, 47.8, 47.9, IW47.10	48.3, 48.5, 48.6, 48.8, 48.10, IW48.11	49.1, 49.6, 49.8, 49.9, IW49.10	50.1, 50.6, 50.8, 50.9, 50.10, IW50.11

Lesson	51	52	53	54	55	56	57	58	59	60
Exercise	51.1, 51.4, 51.5, 51.6, 51.8, IW51.10	52.1, 52.3, 52.4, 52.6, 52.7, 52.8, IW52.9	53.2, 53.4, 53.5, 53.6, 53.8, 53.9, IW53.10	54.1, 54.6, 54.7, 54.8, 54.9	55.1, 55.3, 55.6, 55.7, 55.8, IW55.11	56.4, 56.6, 56.7, 56.8, 56.9, IW56.10	57.5, 57.8, 57.9, 57.10, IW57.11	58.5, 58.6, 58.7, 58.9, IW58.10	59.5, 59.7, 59.8, 59.9, 59.10, IW59.11	60.6, 60.7, 60.9, 60.10, IW60.11

Lesson	61	62	63	64	65	66	67	68	69	70
Exercise	61.1, 61.7, 61.9, IW61.10	62.2, 62.5, 62.7, 62.9, IW62.10	63.4, 63.6, 63.7, 63.8, IW63.10	64.4, 64.5, 64.7, 64.9, IW64.10	65.6, 65.7, 65.8, 65.9, IW65.10	66.5, 66.6, 66.7, 66.8, 66.9, IW66.10	67.6, 67.7, 67.8, 67.9, IW67.10	68.5, 68.7, 68.8, 68.9, IW68.10	69.5, 69.7, 69.8, 69.9, IW69.10	70.4, 70.5, 70.6, 70.7, 70.8, 70.9, IW70.10

Lesson	71	72	73	74	75	76	77	78	79	80
Exercise	71.5, 71.6, 71.7, 71.8, 71.9, IW71.10	72.4, 72.6, 72.7, 72.8, 72.9, IW72.10	73.3, 73.4, 73.6, 73.7, 73.8, 73.9, IW73.10	74.2, 74.4, 74.6, 74.8, 74.9, IW74.10	75.3, 75.7, 75.8, IW75.9	76.2, 76.6, 76.8, IW76.9	77.5, 77.7, 77.8, IW77.9	78.2, 78.4, 78.6, 78.8, IW78.9	79.4, 79.5, 79.7, 79.8, IW79.9	80.4, 80.5, 80.6, 80.7, 80.8, IW80.9

Number and Operations in Base Ten (1.NBT)

Extend the counting sequence.

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.

Lesson	41	42	43	44	45	46	47	48	49	50
Exercise	41.1, 41.3, 41.4, 41.5, 41.6, 41.7, 41.8, 41.9, 41.10, 41.11, IW41.12	42.1, 42.3, 42.4, 42.5, 42.6, 42.7, 42.8, 42.9, 42.10, IW42.11	43.1, 43.2, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, IW43.10	44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 44.10, IW44.11	45.1, 45.2, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 45.10, IW45.11	46.1, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, IW46.10	47.1, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, IW47.10	48.1, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 48.10, IW48.11	49.1, 49.2, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, IW49.10	50.1, 50.2, 50.3, 50.4, 50.6, 50.7, 50.8, 50.9, 50.10, IW50.11

Lesson	51	52	53	54	55	56	57	58	59	60
Exercise	51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, IW51.10	52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, IW52.9	53.2, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, IW53.10	54.1, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, IW54.10	55.1, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 55.10, IW55.11	56.1, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, IW56.10	57.1, 57.2, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 57.10, IW57.11	58.1, 58.2, 58.5, 58.6, 58.7, 58.8, 58.9, IW58.10	59.1, 59.2, 59.3, 59.5, 59.6, 59.7, 59.8, 59.9, 59.10, IW59.11	60.1, 60.4, 60.6, 60.7, 60.8, 60.9, 60.10, IW60.11

Lesson	61	62	63	64	65	66	67	68	69	70
Exercise	61.1, 61.4, 61.5, 61.7, 61.8, 61.9, IW61.10	62.1, 62.2, 62.5, 62.7, 62.8, 62.9, IW62.10	63.1, 63.4, 63.6, 63.7, 63.8, IW63.10	64.1, 64.4, 64.5, 64.6, 64.7, 64.9, IW64.10	65.2, 65.6, 65.7, 65.8, 65.9, IW65.10	66.1, 66.5, 66.6, 66.7, 66.8, 66.9, IW66.10	67.1, 67.6, 67.7, 67.8, 67.9, IW67.10	68.1, 68.5, 68.7, 68.8, 68.9, IW68.10	69.1, 69.5, 69.7, 69.8, 69.9, IW69.10	70.1, 70.2, 70.4, 70.5, 70.6, 70.7, 70.8, 70.9, IW70.10

Lesson	71	72	73	74	75	76	77	78	79	80
Exercise	71.1, 71.3, 71.5, 71.6, 71.7, 71.8, 71.9, IW71.10	72.1, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, IW72.10	73.1, 73.3, 73.4, 73.5, 73.6, 73.7, 73.8, 73.9, IW73.10	74.1, 74.2, 74.4, 74.6, 74.7, 74.8, 74.9, IW74.10	75.1, 75.3, 75.5, 75.6, 75.7, 75.8, IW75.9	76.1, 76.2, 76.4, 76.6, 76.7, 76.8, IW76.9	77.2, 77.3, 77.5, 77.7, 77.8, IW77.9	78.1, 78.2, 78.4, 78.6, 78.7, 78.8, IW78.9	79.1, 79.2, 79.4, 79.5, 79.7, 79.8, IW79.9	80.1, 80.2, 80.4, 80.5, 80.6, 80.7, 80.8, IW80.9

Number and Operations in Base Ten (1.NBT)

Understand place value.

2. Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: a. 10 can be thought of as a bundle of ten ones — called a "ten." b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).

Lesson	41	42	43	44	45	46	47	48	49	50
Exercise	41.8, 41.10	42.5, IW42.11	43.2	44.4, 44.9	45.4, 45.9	46.3, 46.6	47.4	48.7, IW48.11	49.7, IW49.10	IW50.11

Lesson	51	52	53	54	55	56	57	58	59	60
Exercise	IW51.10	IW52.9	IW53.10	IW54.10	55.6, 55.9, IW55.11	56.5	IW57.11	58.7, IW58.10	59.10, IW59.11	IW60.11

Lesson	61	64	65	66	67	68	69	71	73	74
Exercise	IW61.10	64.7	65.7	66.6, IW66.10	67.3	68.2	69.3	IW71.10	73.3, IW73.10	74.2

Lesson	75	76	77	78	79	80
Exercise	75.3, IW75.9	76.2	77.5	78.4	79.4	80.5

Number and Operations in Base Ten (1.NBT)

Understand place value.

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

This standard is addressed in the following activities of the Student Practice Software:

- **Block 4:** Activity 4
- **Block 5:** Activity 6

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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.

Lesson	41	42	43	44	45	46	47	48	49	50
Exercise	41.1, 41.4, 41.6, 41.8, 41.9, 41.11, IW41.12	42.1, 42.3, 42.4, 42.6, 42.9, 42.10, IW42.11	43.1, 43.3, 43.4, 43.6, 43.8, 43.9, IW43.10	44.2, 44.3, 44.5, 44.6, 44.7, 44.9, 44.10, IW44.11	45.2, 45.3, 45.5, 45.6, 45.7, 45.8, 45.9, IW45.11	46.4, 46.5, 46.7, 46.8, IW46.10	47.1, 47.3, 47.5, 47.7, 47.8, 47.9, IW47.10	48.1, 48.2, 48.3, 48.5, 48.8, 48.9, IW48.11	49.4, 49.5, 49.6, 49.8, IW49.10	50.3, 50.5, 50.6, 50.7, 50.9, 50.10, IW50.11

Lesson	51	52	53	54	55	56	57	58	59	60
Exercise	51.1, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, IW51.10	52.1, 52.3, 52.4, 52.5, 52.6, 52.8, IW52.9	53.1, 53.2, 53.4, 53.5, 53.6, 53.9, IW53.10	54.1, 54.2, 54.3, 54.6, 54.7, 54.8, 54.9, IW54.10	55.1, 55.3, 55.5, 55.7, 55.8, IW55.11	56.1, 56.4, 56.7, 56.8, 56.9, IW56.10	57.2, 57.5, 57.8, 57.9, IW57.11	58.2, 58.6, 58.9, IW58.10	59.5, 59.9, IW59.11	60.1, 60.6, IW60.11

Lesson	61	62	63	64	65	66	67	68	69	70
Exercise	61.1, 61.5, IW61.10	62.1, 62.7, 62.9, IW62.10	63.1, 63.6, 63.7, IW63.10	64.1, 64.6, 64.7, IW64.10	65.2, 65.7, 65.8, IW65.10	66.1, 66.6, 66.7, 66.8, IW66.10	67.1, 67.6, 67.7, 67.9, IW67.10	68.1, 68.5, 68.8, IW68.10	69.1, 69.5, 69.7, IW69.10	70.2, 70.6, 70.8, IW70.10

Lesson	71	72	73	74	75	76	77	78	79	80
Exercise	71.1, 71.8, 71.9, IW71.10	72.1, 72.8, 72.9, IW72.10	73.1, 73.3, 73.8, IW73.10	74.1, 74.2, 74.4, IW74.10	75.3, 75.5, 75.8, IW75.9	76.1, 76.2, 76.6, IW76.9	77.5, 77.7, IW77.9	78.1, 78.4, 78.7, 78.8, IW78.9	79.1, 79.4, 79.5, IW79.9	80.1, 80.4, 80.5, IW80.9

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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

Lesson	41	42	43	44	45	46	47	49	50	52
Exercise	41.9	42.3, IW42.11	IW43.10	IW44.11	IW45.11	IW46.10	47.3	IW49.10	50.5	52.1, 52.3

Lesson	53	54	55
Exercise	53.4	54.6	IW55.11

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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.

Lesson	54
Exercise	54.2

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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

This standard is first addressed in **Lesson 93.**

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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.

This standard is addressed in the following activities of the Student Practice Software:

- **Block 3:** Activity 6
- **Block 6:** Activity 5

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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

This standard is first addressed in **Lesson 91.**

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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.

This standard is first addressed in **Lesson 122.**

Geometry (1.G)

Reason with shapes and their attributes.

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.

Lesson	61	62	63	64	65	66	67	68	69	70
Exercise	61.2	62.4	63.3	64.2	65.4	66.4	67.5	68.4	69.2, 69.4	70.3

Lesson	71	72	73	74	75	76	77
Exercise	71.2	72.2	73.3	74.3	75.2	76.3	77.1

Geometry (1.G)

Reason with shapes and their attributes.

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.

Lesson	69	70	75	76	77	78	79	80
Exercise	69.4	70.3	75.2	76.5	77.6	78.5	79.6	IW80.9

Geometry (1.G)

Reason with shapes and their attributes.

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.

This standard is first addressed in **Lesson 117.**

Level B Correlation to Grade 1 Common Core State Standards for Mathematics

Operations and Algebraic Thinking (1.OA)

Represent and solve problems involving addition and subtraction.

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.

Lesson	114	115	116	117	119	120	122	123	124	125
Exercise	114.7	115.10	116.6	117.6	119.5	120.5	122.7	123.5	124.7	125.7

Operations and Algebraic Thinking (1.OA)

Represent and solve problems involving addition and subtraction.

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.

This standard is addressed in the following activities of the Student Practice Software:

- **Block 6:** Activity 4
- **Block 6:** Activity 6

Operations and Algebraic Thinking (1.OA)

Understand and apply properties of operations and the relationship between addition and subtraction.

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.)

Lesson	81	82	83	86	91	92	93	94	95	109
Exercise	81.3, IW81.9	82.3	83.2, IW83.10	IW86.10	91.4	92.3	IW93.9	IW94.10	IW95.10	109.2

Lesson	110	111	112	113	121	122	123	124	125
Exercise	110.3	111.4	112.4	113.3	121.2	122.2, 122.4	123.2, 123.3	124.2, 124.6	125.2, 125.6

Operations and Algebraic Thinking (1.OA)

Understand and apply properties of operations and the relationship between addition and subtraction.

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

Lesson	109	110	111	112	113	114	115	116	117	118
Exercise	109.4	110.2	111.2	112.2	113.5	114.10	115.8	116.7	117.5	118.6

Lesson	119	120	121	122	123	124	125
Exercise	119.5, 119.7	120.5, 120.7	121.8	122.7, 122.8	123.5, 123.7	124.4, 124.7	125.4, 125.7

Operations and Algebraic Thinking (1.OA)

Add and subtract within 20.

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

Lesson	81	82	83	84	85	86	88	89	90	91
Exercise	IW81.9	IW82.10	IW83.10	IW84.10	IW85.10	IW86.10	IW88.9	IW89.10	IW90.9	IW91.10

Lesson	92	93	95	97	99	101	103	105	107	108
Exercise	IW92.10	IW93.9	IW95.10	IW97.11	IW99.10	IW101.10	IW103.10	IW105.10	IW107.10	IW108.9

Lesson	109	110	111	112	113	114	115	116	117	118
Exercise	109.3	IW110.10	111.3	112.3, IW112.10	113.2	114.3, IW114.11	115.3, IW115.11	116.4	117.3, IW117.10	118.3

Lesson	119	122
Exercise	IW119.9	IW122.9

Operations and Algebraic Thinking (1.OA)

Add and subtract within 20.

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).

Lesson	81	82	83	84	85	86	87	88	89	90
Exercise	81.1, 81.3, 81.6, IW81.9	82.1, 82.3, IW82.10	83.1, 83.2, 83.4, IW83.10	84.1, 84.3, 84.4, 84.9	85.1, 85.3, 85.5, 85.8	86.1, 86.2, 86.5, 86.7, 86.9, IW86.10	87.1, 87.2, 87.3, 87.4, 87.8, IW87.10	88.1, 88.2, 88.6, 88.8	89.1, 89.2, 89.3, 89.8, IW89.10	90.1, 90.3, 90.4, 90.8

Lesson	91	92	93	94	95	96	97	98	99	100
Exercise	91.1, 91.6, 91.9	92.1, 92.5, IW92.10	93.3, 93.5, IW93.9	94.2, 94.5, 94.9, IW94.10	95.1, 95.5, 95.9, IW95.10	96.2, 96.6, 96.9	97.1, 97.9, IW97.11	98.2, 98.8, IW98.10	99.2, 99.7	100.2, 100.8, 100.10, IW100.11

Lesson	101	102	103	104	105	106	107	108	109	110
Exercise	101.1, 101.7	102.1, 102.5, 102.10	103.1, 103.4, 103.9	104.1, 104.4, 104.8, IW104.9	105.1, 105.4, 105.9	106.1, 106.4, 106.8, IW106.10	107.1, 107.3, 107.9	108.1, 108.3, 108.7	109.1, 109.2, 109.6, IW109.10	110.1, 110.3, 110.7

Lesson	111	112	113	114	115	116	117	118	119	120
Exercise	111.1, 111.4, 111.7	112.1, 112.4, 112.7	113.1, 113.3, 113.7, IW113.9	114.1, 114.4, 114.7, 114.9	115.1, 115.7, 115.9, 115.10, IW115.11	116.1, 116.5, 116.9, IW116.10	117.1, 117.3, 117.4, 117.8	118.1, 118.4, 118.7	119.1, 119.4, 119.5, 119.6	120.1, 120.4, 120.5, 120.6

Lesson	121	122	123	124	125
Exercise	121.1, 121.2, 121.4, 121.6	122.1, 122.2, 122.4, 122.6, 122.7	123.1, 123.2, 123.3, 123.5	124.1, 124.2, 124.6, 124.7	125.1, 125.2, 125.6, 125.7

Operations and Algebraic Thinking (1.OA)

Work with addition and subtraction equations.

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.

Lesson	119	120	121
Exercise	119.4	120.4	121.6

Operations and Algebraic Thinking (1.OA)

Work with addition and subtraction equations.

8. Determine the unknown whole number in an addition or subtraction equation relating to 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 = __.

Lesson	81	82	83	84	85	86	87	88	89	90
Exercise	81.5, 81.6, 81.7, 81.8, IW81.9	82.5, 82.6, 82.7, 82.8, IW82.10	83.6, 83.8, 83.9, IW83.10	84.2, 84.4, 84.5, 84.7, 84.9, IW84.10	85.4, 85.5, 85.6, 85.8, 85.9, IW85.10	86.3, 86.5, 86.7, 86.9, IW86.10	87.3, 87.4, 87.6, 87.8, IW87.10	88.1, 88.4, 88.6, 88.8, IW88.9	89.6, 89.8, 89.9, IW89.10	90.2, 90.4, 90.6, 90.8, IW90.9

Lesson	91	92	93	94	95	96	97	98	99	100
Exercise	91.5, 91.6, 91.9, IW91.10	92.5, 92.7, 92.9, IW92.10	93.5, 93.6, 93.8, IW93.9	94.5, 94.6, 94.7, 94.9, IW94.10	95.5, 95.6, 95.7, 95.9, IW95.10	96.5, 96.6, 96.8, 96.9, IW96.10	97.6, 97.7, 97.9, IW97.11	98.5, 98.7, 98.8, IW98.10	99.7, 99.9, IW99.10	100.5, 100.6, 100.8, 100.9, 100.10, IW100.11

Lesson	101	102	103	104	105	106	107	108	109	110
Exercise	101.6, 101.7, 101.8, IW101.10	102.5, 102.6, 102.7, 102.10, IW102.11	103.4, 103.8, 103.9, IW103.10	104.4, 104.5, 104.6, 104.8, IW104.9	105.4, 105.6, 105.7, 105.8, 105.9, IW105.10	106.2, 106.6, 106.8, 106.9, IW106.10	107.2, 107.6, 107.7, 107.9, IW107.10	108.2, 108.3, 108.6, 108.7, 108.8, 108.9	109.4, 109.6, 109.8, 109.9, IW109.10	110.2, 110.5, 110.7, 110.8, 110.9, IW110.10

Lesson	111	112	113	114	115	116	117	118	119	120
Exercise	111.2, 111.6, 111.7, 111.9, IW111.10	112.2, 112.7, 112.8, 112.9, IW112.10	113.4, 113.5, 113.7, IW113.9	114.6, 114.7, 114.9, 114.10, IW114.11	115.7, 115.8, 115.9, 115.10, IW115.11	116.5, 116.7, 116.9, IW116.10	117.4, 117.5, 117.6, 117.8, IW117.10	118.2, 118.6, 118.7, IW118.9	119.3, 119.6, 119.7, IW119.9	120.3, 120.6, 120.7

Lesson	121	122	123	124	125
Exercise	121.4, 121.7, 121.8	122.6, 122.7, 122.8, IW122.9	123.5, 123.7, 123.8, IW123.9	124.4, 124.5, 124.7	125.4, 125.7, IW125.8

Number and Operations in Base Ten (1.NBT)

Extend the counting sequence.

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.

Lesson	81	82	83	84	85	86	87	88	89	90
Exercise	81.1, 81.2, 81.3, 81.4, 81.5, 81.6, 81.7, 81.8, IW81.9	82.1, 82.2, 82.3, 82.4, 82.5, 82.6, 82.7, 82.8, 82.9, IW82.10	83.1, 83.2, 83.4, 83.5, 83.6, 83.7, 83.8, 83.9, IW83.10	84.1, 84.2, 84.3, 84.4, 84.5, 84.6, 84.7, 84.8, 84.9, IW84.10	85.1, 85.2, 85.3, 85.4, 85.5, 85.6, 85.7, 85.8, 85.9, IW85.10	86.1, 86.2, 86.3, 86.5, 86.6, 86.7, 86.8, 86.9, IW86.10	87.1, 87.2, 87.3, 87.4, 87.6, 87.7, 87.8, 87.9, IW87.10	88.1, 88.2, 88.3, 88.4, 88.6, 88.7, 88.8, IW88.9	89.1, 89.2, 89.3, 89.4, 89.6, 89.7, 89.8, 89.9, IW89.10	90.1, 90.2, 90.3, 90.4, 90.5, 90.6, 90.7, 90.8, IW90.9

Lesson	91	92	93	94	95	96	97	98	99	100
Exercise	91.1, 91.2, 91.4, 91.5, 91.6, 91.7, 91.8, 91.9, IW91.10	92.1, 92.3, 92.4, 92.5, 92.6, 92.7, 92.8, 92.9, IW92.10	93.1, 93.2, 93.3, 93.5, 93.6, 93.7, 93.8, IW93.9	94.1, 94.2, 94.5, 94.6, 94.7, 94.8, 94.9, IW94.10	95.1, 95.3, 95.5, 95.6, 95.7, 95.8, 95.9, IW95.10	96.2, 96.5, 96.6, 96.7, 96.8, 96.9, IW96.10	97.1, 97.4, 97.6, 97.7, 97.8, 97.9, IW97.11	98.1, 98.2, 98.3, 98.5, 98.6, 98.7, 98.8, IW98.10	99.2, 99.3, 99.5, 99.6, 99.7, 99.9, IW99.10	100.1, 100.2, 100.3, 100.4, 100.5, 100.6, 100.8, 100.9, 100.10, IW100.11

Lesson	101	102	103	104	105	106	107	108	109	110
Exercise	101.1, 101.2, 101.5, 101.7, 101.8, IW101.10	102.1, 102.4, 102.5, 102.6, 102.7, 102.9, 102.10, IW102.11	103.1, 103.4, 103.5, 103.6, 103.8, 103.9, IW103.10	104.1, 104.4, 104.5, 104.6, 104.8, IW104.9	105.1, 105.4, 105.6, 105.7, 105.8, 105.9, IW105.10	106.1, 106.2, 106.3, 106.4, 106.6, 106.8, 106.9, IW106.10	107.1, 107.2, 107.3, 107.6, 107.7, 107.9, IW107.10	108.1, 108.2, 108.3, 108.5, 108.6, 108.7, 108.8, IW108.9	109.2, 109.4, 109.5, 109.6, 109.7, 109.8, 109.9, IW109.10	110.2, 110.3, 110.5, 110.6, 110.7, 110.8, 110.9, IW110.10

Lesson	111	112	113	114	115	116	117	118	119	120
Exercise	111.2, 111.3, 111.4, 111.5, 111.7, 111.8, 111.9, 111.10	112.2, 112.3, 112.4, 112.5, 112.6, 112.7, 112.8, 112.9, IW112.10	113.3, 113.4, 113.5, 113.6, 113.7, 113.8, IW113.9	114.4, 114.6, 114.7, 114.8, 114.9, 114.10, IW114.11	115.3, 115.4, 115.7, 115.8, 115.9, 115.10, IW115.11	116.5, 116.6, 116.7, 116.9, IW116.10	117.2, 117.4, 117.5, 117.6, 117.7, 117.8, 117.9, IW117.10	118.2, 118.4, 118.5, 118.6, 118.7, 118.8, IW118.9	119.3, 119.4, 119.5, 119.6, 119.7, 119.8, IW119.9	120.2, 120.3, 120.4, 120.5, 120.6, 120.7, IW120.8

Lesson	121	122	123	124	125
Exercise	121.1, 121.2, 121.4, 121.5, 121.6, 121.7, 121.8, IW121.9	122.1, 122.2, 122.3, 122.4, 122.5, 122.6, 122.7, 122.8, IW122.9	123.1, 123.2, 123.3, 123.4, 123.5, 123.6, 123.7, 123.8, IW123.9	124.1, 124.2, 124.3, 124.4, 124.5, 124.6, 124.7, 124.8	125.1, 125.2, 125.3, 125.4, 125.5, 125.6, 125.7, IW125.8

Number and Operations in Base Ten (1.NBT)

Understand place value.

2. Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: a. 10 can be thought of as a bundle of ten ones — called a "ten." b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).

Lesson	81	82	83	84	85	88	89	99	100	101
Exercise	81.5	82.7	83.6	84.5	85.6, IW85.10	IW88.9	IW89.10	IW99.10	100.9	101.8

Lesson	104	108	109	111	112	113	114	115	116	117
Exercise	IW104.9	IW108.9	IW109.10	IW111.10	112.9	113.2, 113.4	114.3, 114.6, IW114.11	115.3, 115.4, IW115.11	116.2, 116.4, IW116.10	117.2, 117.3

Lesson	118	119	120	121	122	123	124
Exercise	118.2, 118.3, IW118.9	119.3	120.3	121.7	IW122.9	123.8, IW123.9	124.5

Number and Operations in Base Ten (1.NBT)

Understand place value.

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

This standard is addressed in the following activities of the Student Practice Software:

- **Block 4:** Activity 4
- **Block 5:** Activity 6

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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.

Lesson	81	82	83	84	85	86	87	88	89	90
Exercise	81.1, 81.3, 81.5, IW81.9	82.1, 82.3, 82.7, 82.8, IW82.10	83.2, 83.4, 83.6, IW83.10	84.1, 84.5, 84.9, IW84.10	85.1, 85.6, 85.8, IW85.10	86.1, 86.7, 86.9, IW86.10	87.1, 87.3, 87.8, IW87.10	88.1, 88.8, IW88.9	89.1, 89.3, 89.9, IW89.10	90.1, 90.4, 90.6, IW90.9

Lesson	91	92	93	94	95	96	97	98	99	100
Exercise	91.1, 91.4, 91.6	92.1, 92.3, 92.5, 92.9, IW92.10	93.3, 93.5, 93.6, 93.8, IW93.9	94.2, 94.5, IW94.10	95.1, 95.6, 95.9, IW95.10	96.2, 96.5, 96.9	97.1, IW97.11	98.2, 98.7, IW98.10	99.2, 99.7, IW99.10	100.2, 100.10, IW100.11

Lesson	101	102	103	104	105	106	107	108	109	110
Exercise	101.1, 101.5, 101.7	102.1, 102.5	103.1, 103.4, IW103.10	104.1, 104.4, IW104.9	105.1, 105.4	106.1, 106.4, IW106.10	107.1, 107.3	108.1, 108.3	109.1, 109.2, 109.3, 109.6, IW109.10	110.1, 110.3, 110.7

Lesson	111	112	113	114	115	116	117	118	119	120
Exercise	111.1, 111.3, 111.4, 111.7	112.1, 112.3, 112.4, 112.7, 112.9, IW112.10	113.2, 113.3, 113.4, 113.7, IW113.9	114.4, 114.6, 114.7, 114.9, IW114.11	115.1, 115.3, 115.7, 115.8, 115.9, 115.10, IW115.11	116.1, 116.4, 116.5, 116.7, 116.9, IW116.10	117.1, 117.2, 117.3, 117.4, 117.5, 117.6, IW117.10	118.1, 118.2, 118.3, 118.4, 118.6, IW118.9	119.1, 119.3, 119.4, 119.5, 119.6, 119.7, IW119.9	120.1, 120.3, 120.4, 120.5, 120.6, 120.7

Lesson	121	122	123	124	125
Exercise	121.1, 121.2, 121.4, 121.6, 121.7, 121.8	122.1, 122.2, 122.4, 122.6, 122.7, 122.8, IW122.9	123.1, 123.2, 123.3, 123.5, 123.7, 123.8	124.1, 124.2, 124.4, 124.5, 124.6, 124.7	125.1, 125.2, 125.4, 125.6, 125.7

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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

Lesson	113	114	115	116	117	118	119	120	121	122
Exercise	113.2	114.3	115.3	116.4	117.2, 117.3	118.2, 118.3	119.3	120.3	121.7	IW122.9

Lesson	123
Exercise	IW123.9

Number and Operations in Base Ten (1.NBT)

Use place value understanding and properties of operations to add and subtract.

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.

Lesson	109	112	116	117	118	119	120	121	122	123
Exercise	109.3	112.3	116.4	117.2	118.2, 118.3	119.3	120.3	121.7	IW122.9	IW123.9

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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

Lesson	93	94	95	96	97
Exercise	93.4	94.4	95.4	96.4	97.5

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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.

This standard is addressed in the following activities of the Student Practice Software:

- **Block 3:** Activity 6
- **Block 6:** Activity 5

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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

Lesson	91	92	93	94	95	96	97	98	100	101
Exercise	91.2	92.4	93.1	94.8	95.8	96.7	97.8	98.6	100.3	101.3

Lesson	102	103	104	105	106	107	108	109	110	111
Exercise	102.3	103.2	104.3	105.5	106.5	107.5	108.5	109.7	110.6	111.5

Lesson	112	113	114	115	116	117	118	119	120	121
Exercise	112.5	113.6	114.8	115.5	116.6	117.9	118.8	119.8	IW120.8	IW121.9

Lesson	122	125
Exercise	IW122.9	IW125.8

Measurement and Data (1.MD)

Measure lengths indirectly and by iterating length units.

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.

Lesson	122	123	124	125
Exercise	122.3	123.4	124.8	125.5

Geometry (1.G)

Reason with shapes and their attributes.

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.

Lesson	95	96	97	98	99	100	101	102	103	104
Exercise	95.2	96.3	97.10	IW98.10	99.8	100.7	101.9	102.8	103.7	104.7

Lesson	105	106	107	108	109	110	111	112	113	114
Exercise	105.3	106.7	107.8	108.4, IW108.9	109.5, IW109.10	110.4, IW110.10	111.8, IW111.10	112.6, IW112.10	113.8, IW113.9	114.2, IW114.11

Lesson	115	116	117	118	119
Exercise	115.2	116.3, 116.8, IW116.10	IW117.10	IW118.9	IW119.9

Geometry (1.G)

Reason with shapes and their attributes.

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.

Lesson	81	82	83	84	85	86	87	88	89	90
Exercise	IW81.9	IW82.10	IW83.10	IW84.10	IW85.10	86.4, IW86.10	87.5, IW87.10	88.5, IW88.9	IW89.10	IW90.9

Lesson	91	92	93	94	95	96	97	98	99	100
Exercise	IW91.10	IW92.10	IW93.9	IW94.10	95.2	96.3, IW96.10	97.10, IW97.11	98.9, IW98.10	99.8, IW99.10	100.7, IW100.11

Lesson	101	102	103	104	105	106	107	108	109	110
Exercise	101.9, IW101.10	102.8	103.7, IW103.10	104.7, IW104.9	105.3, 105.10	106.7	107.8, IW107.10	108.4, IW108.9	109.5, IW109.10	110.4, IW110.10

Lesson	111	112	113	114	115	116	117	118	119
Exercise	111.8, IW111.10	112.6, IW112.10	113.8, IW113.9	114.2, IW114.11	115.2	116.3, 116.8, IW116.10	IW117.10	IW118.9	IW119.9

Geometry (1.G)

Reason with shapes and their attributes.

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.

Lesson	117	118	119	120	121	122	123	124	125
Exercise	117.7	118.5	119.2	120.2	121.3, IW121.9	122.5	123.6	124.3	125.3