

The table below shows the scope and sequence for *ORIGO Stepping Stones 2.0*. Lesson titles with shading are optional for this grade, typically because the content is taught for mastery in an adjacent grade level. These lessons provide opportunities for review, or to introduce and bridge to content in the next grade. Students are not expected to master the content in the shaded lessons. When lesson titles in bold are provided they indicate content that can be taught in place of the shaded lessons.

**Lessons from an adjacent grade level.**

- 5.1.2 – Number: Reading and writing seven-digit numbers. This is an existing grade 5 lesson.
- 5.1.3 – Number: Locating seven-digit numbers on a number line. This is an existing grade 5 lesson.
- 5.1.4 – Number: Comparing and ordering seven-digit numbers. This is an existing grade 5 lesson.
- 5.1.5 – Number: Reading and writing eight- and nine-digit numbers. This is an existing grade 5 lesson.

Lesson	Title	Math Content
<b>1.1</b>	Number: Reading and writing five-digit numbers	<b>Optional, Grade 3 mastery</b>
<b>1.2</b>	Number: Building a picture of 100,000	<b>Optional, Grade 3 mastery</b>
<b>1.3</b>	Number: Reading and writing six-digit numbers	<b>Optional, Grade 3 mastery</b>
<b>1.4</b>	Number: Reading and writing six-digit numbers (with teens and zeros)	<b>Optional, Grade 3 mastery</b>
<b>1.5</b>	Number: Writing six-digit numbers in expanded form	<b>Optional, Grade 3 mastery</b>
<b>1.6</b>	Number: Locating six-digit numbers on a number line	<b>Optional, Grade 3 mastery</b>
<b>1.7</b>	Number: Working with place value	<b>Optional, Grade 3 mastery</b>
<b>5.1.1</b>	Number: Reviewing six-digit numbers	<b>4.NSBT.1 4.NSBT.2</b>
<b>5.1.2</b>	Number: Reading and writing seven-digit numbers	<b>4.NSBT.1 4.NSBT.2</b>
<b>5.1.3</b>	Number: Locating seven-digit numbers on a number line	<b>4.NSBT.2</b>
<b>5.1.4</b>	Number: Comparing and ordering seven-digit numbers	<b>4.NSBT.2</b>
<b>5.1.5</b>	Number: Reading and writing eight- and nine-digit numbers	<b>4.NSBT.1 4.NSBT.2</b>
<b>1.8</b>	Multiplication: Reviewing the doubles strategy	<b>4.NSBT.5</b>
<b>1.9</b>	Multiplication: Reviewing the fours and eights facts	<b>4.NSBT.5</b>
<b>1.10</b>	Multiplication: Extending the fours and eights facts	<b>4.NSBT.5</b>
<b>1.11</b>	Multiplication: Reviewing and extending the tens facts	<b>4.NSBT.5</b>
<b>1.12</b>	Multiplication: Exploring patterns	<b>4.NSBT.5</b>

Lesson	Title	Math Content
2.1	Addition: Making estimates	4.NSBT.3
2.2	Addition: Reviewing the standard algorithm (composing tens)	4.NSBT.4
2.3	Addition: Reviewing the standard algorithm (composing hundreds)	4.NSBT.4
2.4	Addition: Working with the standard algorithm (composing in any place)	4.NSBT.4
2.5	Addition: Using the standard algorithm with multi-digit numbers	4.NSBT.4
2.6	Addition: Using the standard algorithm with multiple addends	4.NSBT.4
2.7	Addition: Solving word problems	4.ATO.3
2.8	Multiplication: Doubling and halving three-digit multiples of ten	4.NSBT.5 4.NSBT.6
2.9	Multiplication: Reviewing the fives facts	4.NSBT.5
2.10	Multiplication: Extending the fives strategy	4.NSBT.5
2.11	Multiplication: Reviewing the nines strategy	4.NSBT.5
2.12	Multiplication: Extending the nines strategy	4.NSBT.5
3.1	Number: Comparing to order six-digit numbers	Optional, Grade 3 mastery
3.2	Number: Comparing to order four-, five- and six-digit numbers	Optional, Grade 3 mastery
3.3	Number: Rounding six-digit numbers	4.NSBT.3
3.4	Number: Rounding four-, five-, and six-digit numbers	4.NSBT.3
3.5	Number: Building a picture of one million	4.NSBT.1 4.NSBT.2
3.6	Multiplication: Relating multiples and factors	4.ATO.4
3.7	Multiplication: Finding pairs of factors	4.ATO.4
3.8	Multiplication: Identifying prime and composite numbers	4.ATO.4
3.9	Area: Developing a rule to calculate the area of rectangles	4.NSBT.5 4.MDA.3
3.10	Perimeter: Developing a rule to calculate the perimeter of rectangles	4.MDA.3
3.11	Perimeter: Working with rules to calculate the perimeter of rectangles	4.MDA.3
3.12	Perimeter/area: Solving word problems	4.MDA.3

Lesson	Title	Math Content
4.1	Subtraction: Making estimates	4.NSBT.3
4.2	Subtraction: Reviewing the standard algorithm (decomposing tens or hundreds)	4.NSBT.3 4.NSBT.4
4.3	Subtraction: Using the standard algorithm (decomposing in any place)	4.NSBT.3 4.NSBT.4
4.4	Subtraction: Using the standard algorithm with multi-digit numbers	4.NSBT.3 4.NSBT.4 4.ATO.3
4.5	Subtraction: Analyzing decomposition across places involving zero (three-digit numbers)	4.NSBT.3 4.NSBT.4
4.6	Subtraction: Analyzing decomposition across places involving zero (multi-digit numbers)	4.NSBT.3 4.NSBT.4 4.ATO.3
4.7	Addition/subtraction: Solving word problems	4.NSBT.3 4.NSBT.4 4.ATO.3
4.8	Common fractions: Reviewing concepts	4.MDA.2
4.9	Common fractions: Reviewing equivalent fractions	4.NSF.1
4.10	Common fractions: Relating whole numbers	4.NSF.1
4.11	Common fractions: Introducing mixed numbers	4.NSF.1 4.NSF.3a
4.12	Common fractions: Exploring equivalence with mixed numbers	4.NSF.1 4.NSF.2 4.NSF.3a
5.1	Multiplication: Introducing the comparison model	4.NSBT.5 4.ATO.1 4.ATO.2
5.2	Multiplication: Making comparisons involving multiplication and addition (tape diagram)	4.NSBT.5 4.ATO.1 4.ATO.2 4.ATO.3
5.3	Multiplication: Exploring the relationship between multiplication and division (tape diagram)	4.NSBT.6 4.ATO.1 4.ATO.2
5.4	Multiplication: Making comparisons involving division and subtraction (tape diagram)	4.NSBT.6 4.ATO.1 4.ATO.2 4.ATO.3
5.5	Multiplication: Using tape diagrams to solve word problems	4.ATO.2 4.ATO.3
5.6	Length: Exploring the relationship between meters and centimeters	4.MDA.1
5.7	Length: Introducing millimeters	4.MDA.1
5.8	Length: Exploring the relationship between meters, centimeters, and millimeters	4.MDA.1 4.MDA.2
5.9	Length: Introducing kilometers	4.MDA.1
5.10	Mass: Exploring the relationship between kilograms and grams	4.MDA.1
5.11	Capacity: Exploring the relationship between liters and milliliters	4.MDA.1
5.12	Length/mass/capacity: Solving word problems involving metric units	4.NSF.3 4.NSF.3c 4.MDA.2

Lesson	Title	Math Content
6.1	Multiplication: Reviewing the partial-products strategy (two-digit numbers)	4.NSBT.5
6.2	Multiplication: Using the partial-products strategy (three-digit numbers)	4.NSBT.5
6.3	Multiplication: Using the partial-products strategy (four-digit numbers)	4.NSBT.5
6.4	Multiplication: Using the partial-products strategy (two two-digit numbers)	4.NSBT.5
6.5	Multiplication: Solving word problems	4.ATO.3 4.MDA.2
6.6	Length: Exploring the relationship between feet and inches	4.MDA.1 4.MDA.4
6.7	Length: Exploring the relationship between yards, feet, and inches	4.MDA.1 4.MDA.2
6.8	Length: Exploring the relationship between miles, yards, and feet	4.MDA.1
6.9	Angles: Identifying fractions of a full turn	4.MDA.5
6.10	Angles: Using a protractor	4.G.1 4.MDA.5 4.MDA.6
6.11	Angles: Identifying acute, right, and obtuse	4.G.1 4.G.3 4.MDA.5 4.MDA.6
6.12	Angles: Estimating and calculating	4.MDA.5 4.MDA.6 4.MDA.7
7.1	Division: Halving two-digit numbers	4.NSBT.6
7.2	Division: Halving to divide by four and eight	4.NSBT.6
7.3	Division: Finding whole number quotients and remainders	4.NSBT.6
7.4	Division: Solving word problems with remainders	4.ATO.3 4.MDA.2
7.5	Common fractions: Adding with same denominators	4.NSF.3 4.NSF.3b
7.6	Common fractions: Adding mixed numbers	4.NSF.3 4.NSF.3b
7.7	Common fractions: Adding mixed numbers (composing whole numbers)	4.NSF.3 4.NSF.3b
7.8	Common fractions: Subtracting with same denominators	4.NSF.3 4.NSF.3b
7.9	Common fractions: Calculating the difference between mixed numbers	4.NSF.3 4.NSF.3b
7.10	Common fractions: Calculating the difference between mixed numbers (decomposing whole numbers)	4.NSF.3 4.NSF.3a 4.NSF.3b
7.11	Common fractions: Solving word problems	4.NSF.3 4.NSF.3c 4.MDA.2
7.12	Common fractions: Interpreting line plots to solve word problems	4.MDA.4

Lesson	Title	Math Content
8.1	Division: Reviewing the relationship between multiplication and division	4.NSBT.6
8.2	Division: Introducing the partial-quotients strategy (two-digit dividends)	4.NSBT.6
8.3	Division: Reinforcing the partial-quotients strategy (two-digit dividends)	4.NSBT.6
8.4	Division: Using the partial-quotients strategy (three-digit dividends)	4.NSBT.6
8.5	Division: Reinforcing the partial-quotients strategy (three-digit dividends)	4.NSBT.6
8.6	Division: Using the partial-quotients strategy (four-digit dividends)	4.NSBT.6
8.7	Division: Reinforcing the partial-quotients strategy (four-digit dividends)	4.NSBT.6
8.8	Division: Solving word problems	4.ATO.3 4.MDA.2
8.9	Common fractions: Exploring the multiplicative nature (area model)	4.NSF.4 4.NSF.4a 4.NSF.4b 4.NSF.4c 4.MDA.2
8.10	Common fractions: Exploring the multiplicative nature (number line model)	4.NSF.4 4.NSF.4a 4.NSF.4b
8.11	Common fractions: Multiplying mixed numbers (without composing)	4.NSF.4 4.NSF.4a
8.12	Common fractions: Multiplying mixed numbers (with composing)	4.NSF.4 4.NSF.4a 4.NSF.4c 4.MDA.2
9.1	Common fractions: Reviewing comparisons with the same numerator or denominator	4.NSF.2
9.2	Common fractions: Comparing with different numerators and denominators	4.NSF.2
9.3	Common fractions: Comparing and ordering	4.NSF.2
9.4	Common fractions: Calculating equivalent fractions	4.NSF.1
9.5	Common fractions: Comparing with related denominators	4.NSF.1 4.NSF.2 4.ATO.4
9.6	Common fractions: Finding common denominators	4.NSF.1 4.ATO.4
9.7	Common fractions: Finding common denominators to make comparisons	4.NSF.1 4.ATO.4
9.8	Common fractions: Consolidating comparison strategies	4.NSF.2
9.9	Mass: Reviewing pounds and introducing ounces	4.MDA.1 4.MDA.2
9.10	Mass: Exploring the relationship between pounds and ounces	4.MDA.1 4.MDA.2
9.11	Capacity: Reviewing gallons, quarts, and pints, and introducing fluid ounces	4.MDA.1 4.MDA.2
9.12	Capacity/mass: Solving word problems involving customary units	4.MDA.2

Lesson	Title	Math Content
10.1	Decimal fractions: Introducing decimal fractions	4.NSF.6
10.2	Decimal fractions: Locating and comparing tenths	4.NSF.6 4.NSF.7
10.3	Decimal fractions: Exploring hundredths	4.NSF.6
10.4	Decimal fractions: Writing hundredths (without teens or zeros)	4.NSF.6
10.5	Decimal fractions: Writing hundredths (with teens and zeros)	4.NSF.6
10.6	Decimal fractions: Writing in expanded form	Optional, Grade 5 mastery
10.7	Decimal fractions: Locating tenths and hundredths on a number line	4.NSF.6
10.8	Decimal fractions: Comparing and ordering	4.NSF.7
10.9	Decimal fractions: Adding tenths	4.NSF.5
10.10	Decimal fractions: Adding hundredths	4.NSF.5
10.11	Decimal fractions: Adding tenths and hundredths	4.NSF.5
10.12	Decimal fractions: Solving word problems	4.MDA.2
11.1	Multiplication: Introducing the standard algorithm with two-digit numbers (regrouping tens)	Optional, Grade 5 mastery
11.2	Multiplication: Using the standard algorithm with two-digit numbers (regrouping ones)	Optional, Grade 5 mastery
11.3	Multiplication: Using the standard algorithm with two-digit numbers (regrouping tens and ones)	Optional, Grade 5 mastery
11.4	Multiplication: Solving word problems involving two-digit numbers	Optional, Grade 5 mastery
11.5	Multiplication: Using the associative property with two two-digit numbers (double and halve)	4.NSBT.5
11.6	Multiplication: Using the associative property with two-digit numbers (use factors)	4.NSBT.5 4.ATO.4
11.7	Multiplication: Reinforcing the use-factors strategy	4.NSBT.5 4.ATO.4
11.8	Multiplication: Solving word problems involving one- and two-digit numbers	4.ATO.4
11.9	Angles: Exploring points, lines, line segments, and rays	4.G.1
11.10	Angles: Identifying parallel and perpendicular lines	4.G.1 4.G.2
11.11	Transformations: Reflecting shapes	4.G.4
11.12	Transformations: Identifying lines of symmetry	4.G.4

Lesson	Title	Math Content
12.1	Patterns: Working with multiplication and addition patterns	4.ATO.5
12.2	Patterns: Investigating square numbers	4.ATO.5
12.3	Patterns: Analyzing number patterns	4.ATO.5
12.4	Patterns: Analyzing shape patterns	4.ATO.5
12.5	Time: Reviewing measurement	4.MDA.2
12.6	Time: Converting between units	4.MDA.1 4.MDA.2
12.7	Time: Calculating elapsed time	4.MDA.1
12.8	Time: Introducing seconds	4.MDA.1 4.MDA.2
12.9	Money: Making transactions	4.MDA.8
12.10	Money: Calculating change (bridging dollars)	4.MDA.2 4.MDA.8
12.11	Money: Recording remainders as decimal fractions	4.MDA.2
12.12	Money: Solving word problems	4.MDA.2