APPENDIX A
Scope and Sequence of Level 3

Your Student Will:	Lesson
Review skills and concepts involving adding and subtracting within 100 and reading and writing six-digit numbers.	1
Learn to identify fractions from wholes that have already been partitioned into equal parts.	2
Learn to draw and partition shapes into equal parts.	3
Learn to read and write fractions that represent parts of a whole.	4
Learn to identify shaded fraction models for a given fraction.	5
Learn to create a model to represent a fraction.	6
Learn to represent fractional situations by using diagrams.	7
Learn to identify and name fractions on a number line.	8
Learn to recognize fractions that are equivalent to whole numbers and to write whole numbers as fractions.	9
Learn to identify equivalent fractions.	10
Learn to compare two fractions that have the same denominator.	11
Learn to compare two fractions that have the same numerator.	12
Learn to learn to compare two fractions with the same numerator or denominator in story problems and explain the conclusions.	13
Review all concepts learned in Lessons 2–13.	14
Identify and draw equal groups to learn about the concept of multiplication.	15
Learn to use multiplication expressions to represent equal groups.	16
Learn about the relationship between repeated addition and multiplication, and write expressions to represent each.	17

Your Student Will:	Lesson
Learn to represent multiplication situations with arrays.	18
Learn to connect multiplication arrays to multiplication expressions and equations.	19
Learn to represent and solve multiplication story problems by writing equations with unknown factors or products, and by creating arrays.	20
Be introduced to the commutative property of multiplication.	21
Review all concepts learned in Lessons 2–21.	22
Learn to relate division to multiplication and to recognize division as an unknown-factor problem.	23
Learn to relate multiplication and division and to recognize division as an unknown-factor problem.	24
Learn to use the relationship between multiplication and division to write equations.	25
Learn to identify multiplication and division equations that represent arrays.	26
Learn to represent and solve story problems that involve equal groups by using multiplication and division equations.	27
Learn to identify single-digit multiplication facts and the related division facts.	28
Review all concepts learned in Lessons 2–28.	29
Learn to identify and explain patterns in the multiplication table.	30
Learn to multiply a one-digit number by a two-digit number, resulting in a product within 100.	31
Learn to use strategies to divide within 100.	32
Learn to analyze two-step problems to identify necessary and unnecessary information.	33
Learn to represent and solve two-step story problems using the four operations.	34
Review all concepts learned in Lessons 2–34.	35

Your Student Will:	Lesson
Learn to read and write nine-digit whole numbers in standard form and identify the place and value of each digit.	36
Learn to compare 2 multi-digit whole numbers within 1,000,000 using place value reasoning.	37
Learn to order multi-digit whole numbers within 1,000,000.	38
Learn to round multi-digit whole numbers within 1,000,000 to the nearest multiple of thousand, ten thousand, and one hundred thousand.	39
Learn to decide when rounding is appropriate and then round multi-digit whole numbers within 1,000,000 to solve problems.	40
Review all concepts learned in Lessons 2–40.	41