APPENDIX A
Scope and Sequence of Level 4

Your Student Will:	Lesson
Review skills and concepts involving numbers up to nine digits, and multiplying and dividing numbers within 100.	1
Review skills and concepts involving fractions.	2
Learn to identify and draw models to represent fractions.	3
Learn to analyze and compare fraction models.	4
Learn to order fractions with the same denominator and solve elapsed time story problems.	5
Learn to order fractions with the same numerator and identify and convert customary volume units.	6
Learn to use visual representations to analyze and compare fractions that have the same size and identify and convert customary volume and weight units.	7
Learn to compare the size of fractions by comparing them to the benchmarks of 1/2 and 1 and identify and convert customary length units.	8
Learn to generate equivalent fractions by using multiples of the numerator and denominator and identify and convert metric volume units.	9
Learn to compare two fractions by making common denominators and by using symbols.	10
Learn to compare multiple fractions and order them according to size.	11
Review all concepts learned in Lessons 3–11.	12
Use base-10 blocks to model and understand tenths and hundredths and identify and convert metric weight units.	13
Learn to make sense of tenths and hundredths in decimal notation.	14
Learn to represent and write decimals given another representation and identify and convert metric length units.	15

Your Student Will:	Lesson
Learn to reason about equivalent tenths and hundredths using decimal notation.	16
Explore the relationships between place values in decimals up to the hundredths place.	17
Learn to identify and explain the value of digits in a number up to the hundredths place.	18
Learn to locate decimals using a number line and classify shapes by line types.	19
Learn to round decimals to the nearest tenths and whole number.	20
Learn to reason and compare the size of decimals using a number line.	21
Learn to order decimals and classify shapes by angle types.	22
Review all concepts learned in Lessons 13–22.	23
Learn to multiply a two- to four-digit whole number by a one-digit number using place value understanding and properties of operations.	24
Learn to multiply two-digit numbers by two-digit numbers using place value understanding and properties of operations.	25
Learn to find whole-number quotients using partial quotient division.	26
Learn to find quotients with remainders.	27
Learn to solve division story problems and interpret the meaning of remainders based on the context of the problem.	28
Learn that every fraction can be written as the product of a whole number and unit fraction.	29
Learn to use models to represent and find the product of a whole number and a non-unit fraction.	30
Learn strategies for adding fractions with the same denominator.	31
Learn strategies for subtracting fractions with the same denominator.	32
Learn to use equivalent fractions to add tenths and hundredths.	33
Review all concepts learned in Lessons 24–33.	34

Your Student Will:	Lesson
Learn to identify and draw lines, segments, and rays.	35
Learn to measure angles and find an unknown angle.	36
Learn to analyze and extend visual patterns that repeat by a rule.	37
Learn to analyze, describe, and extend numerical patterns that follow a rule.	38
Learn to represent situations and descriptions of multiplicative comparison using models.	39
Learn to represent and solve comparison problems that use multiplication, including those involving unknown factors.	40
Learn to solve multistep problems involving the four operations.	41
Review all concepts learned in Lessons 3–41.	42