

APPENDIX A

Scope and Sequence of Level 5

Your Student Will:	Lesson
Review skills and concepts that involve multiplying and dividing numbers within 10,000; and geometry.	1
Review skills and concepts involving fractions and decimals.	2
Learn to read, write, and represent decimals to the thousandths place and classify shapes using attributes.	3
Learn to compare decimals to the thousandths place using comparison symbols and classify shapes using properties.	4
Learn to round decimals to the nearest whole, tenth, and hundredth.	5
Learn to find equivalent fractions to add and subtract fractions with unlike denominators.	6
Learn to solve problems involving adding and subtracting mixed numbers with unlike denominators.	7
Learn to represent the relationship between division and fractions.	8
Learn to solve division problems in which the quotient is expressed as a fraction or a mixed number.	9
Review all concepts learned in Lessons 3 – 9.	10
Learn to find the area and perimeter of rectangles.	11
Learn to find the area of a rectangle with fractional side lengths.	12
Learn to use different methods to find the area of a rectangle.	13
Learn to compare the size of a product to the size of one factor based on the size of the other factor.	14
Use the distributive property to reason about how much larger or smaller the scaling is when multiplied by a fraction greater than or less than 1.	15

Your Student Will:	Lesson
Learn to multiply fractions by fractions and mixed numbers.	16
Divide a unit fraction by a whole number to solve story problems.	17
Represent and divide a whole number by a unit fraction.	18
Review all concepts learned in Lessons 11 – 18.	19
Learn to use the standard algorithm to multiply multi-digit numbers.	20
Learn to divide multi-digit numbers by two-digit numbers.	21
Learn to add and subtract decimals.	22
Use place value understanding to find multi-digit decimal products.	23
Learn to divide a whole number by a decimal less than one.	24
Learn to divide decimals by decimals.	25
Review all concepts learned in Lessons 20 – 25.	26
Learn to multiply a whole number and a decimal using the associative property and an understanding of place value.	27
Build familiarity with the structure of a coordinate grid and learn to locate and describe points.	28
Learn to plot points on the coordinate grid and recognize the importance of being precise when naming coordinates.	29
Learn to generate patterns with different rules and identify the relationships between them.	30
Learn to generate two different patterns, given two different rules, and write equations to represent the relationship between corresponding terms.	31
Learn to represent corresponding terms for two patterns on the coordinate grid.	32
Learn to represent two patterns involving fractions on the coordinate grid.	33
Learn to represent situations by plotting and interpreting points on the coordinate grid.	34

Your Student Will:	Lesson
Review all concepts learned in Lessons 27 – 34.	35
Explore volume and the number of unit cubes that fill a space.	36
Learn to find the volume of a rectangular prism by looking at its layers and writing equations that include all three dimensions.	37
Learn to solve story problems involving cubic units of measure.	38
Learn to find the volume of irregular figures and write expressions to represent the total volume.	39
Write, interpret, and evaluate numerical expressions that represent the volume of solid figures composed of two right rectangular prisms.	40
Convert measurements using the power of 10 within a given system of measurement.	41
Learn to represent and interpret data using a bar graph with a scaled key.	42
Learn to represent and interpret frequency data using a dot plot.	43
Learn to represent and interpret measurement data using a line plot with fractional points.	44
Learn to solve multi-operational problems using a variety of graphs.	45
Review all concepts learned in Lessons 3 – 45.	46