APPENDIX A
Scope and Sequence of Level 1

Your Student Will:	Lesson
Learn to recognize and name small groups of objects and images within groups of 3 without counting.	1
Learn to recognize small groups of objects in the environment.	2
Learn to recognize and name small groups of dots and describe how they appear.	3
Learn to identify groups of objects or images with the same quantity without counting.	4
Learn to count and identify a collection within a set of 5 objects.	5
Learn to connect quantities to written and spoken numbers.	6
Learn to count collections of up to 5 objects and answer questions about how many there are.	7
Learn to show and explain how a collection of up to 10 items is counted.	8
Learn to count groups of up to 10 images and understand that the order counted does not change the number of images.	9
Learn to determine the missing number from the set of 1 to 10.	10
Review all concepts learned in Lessons 1 to 10.	11
Learn to identify the number that is one more or one less than a given number.	12
Learn to find the total number of images in both organized and scattered groups.	13
Learn to count to find the total number of images in 2 scattered groups.	14
Learn to visually compare groups of objects with very different quantities to identify which group has more or fewer.	15
Learn to create groups of objects with very different quantities.	16
Learn to compare groups of up to 10 objects or images that are matched.	17

Your Student Will:	Lesson
Learn to compare groups of up to 10 images that are not matched.	18
Learn to compare numbers by representing each group of objects or images with numbers 1 to 10.	19
Learn to compare numbers 1 to 10 and to determine which number is more.	20
Learn to compare numbers 1 to 10 and determine which number is less.	21
Review all concepts learned in Lessons 11–21.	22
Learn to compose (build) teen numbers by using 10 ones and some more ones.	23
Learn to identify quantities by adding more ones to a group of 10 ones to compose (build) numbers from 11 to 19.	24
Learn to identify quantities 11 to 19 by adding more ones to a group of 10 ones.	25
Learn to use objects to demonstrate the actions of addition and subtraction in stories.	26
Learn to draw a picture to represent and solve a story problem.	27
Learn to connect expressions to story problems.	28
Learn to use the 3 Reads Strategy to understand and solve story problems.	29
Learn about the number zero, choose strategies for solving story problems, and give an explanation.	30
Learn to compare and solve addition and subtraction story problems.	31
Learn to compose two groups of objects in different ways to make the same number, using numbers up to 9.	32
Learn to decompose (break apart) written numbers up to 9 in many ways and look for patterns in decompositions.	33
Review all concepts learned in Lessons 23–33.	34
Learn to match equations with compositions and decompositions of 10.	35
Learn to find the number that makes 10 when added to a given number.	36

Your Student Will:	Lesson
Learn to compose 10 in many ways	37
Sort expressions, both with and without pictures, to build fluency in adding and subtracting within 5.	38
Learn to compare expressions resulting in a total or difference within 5.	39
Develop fluency with adding and subtracting within 5.	40
Review all concepts learned in Lessons 35–41.	41
Learn to identify and write numbers up to 120.	42
Learn to understand that 10 ones make a unit called a ten and will compose and decompose teen numbers with a ten and some ones.	43
Gain a deeper understanding that teen numbers are composed of a ten and some ones, and find the value that makes an addition equation true when one addend is 10.	44
Learn to interpret different base-10 representations of multiples of 10.	45
Learn to add and subtract multiples of 10 from multiples of 10.	46
Learn to add a two-digit number and a multiple of 10.	47
Learn to use base-10 understanding to mentally determine 10 more or 10 less than a two-digit number.	48
Learn about place value and understand that two-digit numbers are composed of tens and ones.	49
Learn to interpret base-10 representations of two-digit numbers.	50
Learn to compare two-digit numbers based on place value.	51
Learn to order numbers based on the values of the tens and ones digits.	52
Learn the meaning of the symbols < and >.	53
Learn to compare numbers based on the value of the tens and ones digits and read and write comparisons using <, >, or =.	54
Learn to add tens or ones to two-digit numbers, without composing a ten.	55

Your Student Will:	Lesson
Learn to add one-digit and two-digit numbers, with composing (making) a new ten, using place value understanding and the properties of operations.	56
Learn to compare the length of objects by lining up the endpoints and ordering the objects by length.	57
Learn to indirectly compare the lengths of two objects indirectly by comparing each with the length of a third object.	58
Learn to measure the lengths of objects using various units and recognize that the value of a measurement depends on the unit chosen.	59
Review all concepts learned in Lessons 42–59.	60

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