

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Operations and Algebraic Thinking		
Represent and solve problems involving addition and subtraction.		
1. Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.	11, 27, 30, 33, 38, 52, 56, 57, 58, 66, 71, 72, 81, 97, 102, 103, 104, 109, 117, 125, 134 Multiplication: 95, 125, 131 Division: 113, 114, 115, 127, 128, 136, 153, 154	21, 22, 26, 30, 31, 33, 35, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 49, 51, 52, 56, 57, 58, 60, 61, 63, 65, 67, 68, 69, 70, 71, 72, 75, 76, 79, 80, 82, 83, 86, 87, 90, 93, 95, 97, 99, 100, 101, 108, 109, 110, 114, 117, 118, 121, 123, 125, 126, 130, 131, 132, 133, 134, 136, 140, 142, 146, 147, 150, 151, 152, 153, 154 Multiplication: 119, 155
Add and subtract within 20.		
2. Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 16 17, 18, 19, 20, 21, 22, 23, 24, 26, 28, 31, 32, 34, 36, 38, 41, 43, 44, 46, 48, 51, 52, 53, 54, 56, 57, 58, 61, 62, 64, 66, 67, 68, 69, 70, 76, 77, 79, 81, 82, 83, 84, 87, 90, 92, 95, 97, 98, 99, 101, 102, 103, 106, 107, 109, 111, 112, 114, 116, 117, 119, 125, 126, 131, 133, 137, 138, 140, 141, 145, 146, 147, 148 Multiply: 108, 121, 131, 132, 133, 134, 137, 138, 139, 140, 141, 142, 144, 146, 147, 148, 149, 152, 154 Divide: 136, 137, 147, 152, 153, 154	21, 22, 26, 31, 33, 38, 39, 41, 42, 45, 46, 47, 51, 52, 56, 57, 58, 60, 61, 65, 67, 68, 70, 71, 72, 75, 76, 79, 80, 83, 87, 90, 95, 96, 97, 99, 100, 101, 108, 109, 110, 114, 117, 118, 121, 123, 125, 126, 130, 131, 132, 134, 140, 142, 146, 147, 150, 151, 152, 153, 154 Multiply: 119, 125, 143, 147, 155
Work with equal groups of objects to gain foundations for multiplication.		
3. Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.	*54, *56, *67, *70, *87, *88, 99, 105 Ordinals: 7, 76	115, 128
4. Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.	9, 13, 16, 22, 23, 24, 31, 32, 39, 42, 46, 49, 51, 54, 56, 59, 67, 71, 72, 73, 82, 88, 91, 94, 106, 107, 116, 118, 122, 123, 129, 145	

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Number and Operations in Base Ten		
Understand place value.		
1. Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases:		
a. 100 can be thought of as a bundle of ten tens — called a “hundred.”	91, 106, 107, 116, 123, 129, 145	
b. The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).	17, 24, 28, 33, 38, 91, 92, 94, 123, 129, 145, 148	
2. Count within 1000; skip-count by 5s, 10s, and 100s.	16, 31, 37, 46, 47, 54, 59, 64, 71, 72, 73, 74, 82, 88, 91, 93, 94, 106, 107, 116, 118, 122, 123, 129, 145 By 1s: 2, 6, 18, 26 By 2s: 70, 87, 105	25, 32, 42, 97, 151
3. Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	2, 17, 28, 33, 38, 41, 64, 71, 72, 73, 74, 82, 88, 91, 92, 94, 106, 107, 109, 122, 123, 129, 144, 148	
4. Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, $=$, and $<$ symbols to record the results of comparisons.	142 Objects: 3, 6 One / Two-digit : 12, 14, 61, 73, 112	
Use place value understanding and properties of operations to add and subtract.		
5. Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	1, 6, 9, 13, 16, 20, 22, 23, 24, 28, 32, 36, 39, 42, 48, 51, 56, 59, 67, 71, 72, 73, 76, 82, 88, 94, 107, 118 Multiply: 108, 121, 125, 131, 137, 141	
6. Add up to four two-digit numbers using strategies based on place value and properties of operations.	11, 16, 22, 23, 24, 31, 32, 34, 39, 42, 46, 49, 51, 54, 59, 68, 71, 72, 73, 76, 81, 82, 88, 92, 94, 104, 107, 118, 133 Three-digit : 106, 116, 129, 133, 139, 145, 146	40, 49, 82, 87, 104, 128, 133, 136, 150, 153

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
7. Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.	1, 4, 6, 9, 11, 13, 16, 23, 24, 39, 42, 46, 48, 51, 56, 59, 67, 71, 72, 73, 76, 82, 88, 94, 106, 107, 109, 116, 122, 129, 133, 139	
8. Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.	9, 13, 16, 22, 23, 24, 32, 49, 51, 59, 71, 72, 73, 82, 88, 94, 106, 107, 118, 122, 129	104, 151
9. Explain why addition and subtraction strategies work, using place value and the properties of operations.	1, 4, 6, 9, 11, 13, 16, 22, 23, 24, 28, 32, 42, 48, 49, 51, 56, 59, 67, 71, 72, 73, 82, 88, 94, 106, 107, 118, 122, 129	104, 151
<h2>Measurement and Data</h2>		
Measure and estimate lengths in standard units.		
1. Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	55, 84, 85, 132	Weight: 100, Activity 11 Distance: Measurement Act 1-6
2. Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.	55, 84, 85, 132	
3. Estimate lengths using units of inches, feet, centimeters, and meters.	*55, 84, 85, 132	
4. Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.	*55, 84, 85, *132	

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Relate addition and subtraction to length.		
5. Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.	81, *84, *85	
6. Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, ..., and represent whole-number sums and differences within 100 on a number line diagram.	*84, *85 Other Measuring devices: 53	
Work with time and money.		
7. Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	19, 29, 44, 45, 62, 69, 89, 98, 143	44, 89
8. Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?	43, 66, 83, 119, 149 Decimal algorithms: 79, 86, 138, 140	72
Represent and interpret data.		
9. Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.	*84, *85 Other Measuring devices: 53	
10. Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put together, take-apart, and compare problems ⁴ using information presented in a bar graph.	5, 15, 35, 50, 105	40, 49, 55, 133 Activity 1, 8

*Gives opportunity to teach specific Standard

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Geometry		
Reason with shapes and their attributes.		
1. Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.5 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.	8, 10, 36, 63, 78, 90, 96, 101, 110, 135, 144, 150, 155	23, 24, 27, 34, 36, 62, 66, 74, 77, 85, 92, 94, 103, 105, 112, 127, 129, 138, 139, 144 Activity 2, 9, 10, 12, 13
2. Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.	63, 80, 90, 96, 150, 155	*23, 24, 34, 36, 62, 74, 85, 92, 94, 103, 105, 112, 127, 129, 138, 139, 144 Activity 2, 13
3. Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.	63, 80, 96, 111, 114, 115, 120, 126, 150, 155 Objects: 77, 127, 128	*23, 24, 34, 36, 62, 74, 85, 92, 94, 103, 105, 127, 129, 138, 139, 144 Activity 2, 5, 13

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Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Mathematical Practices		
1. Make sense of problems and persevere in solving them.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14
2. Reason abstractly and quantitatively.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14
3. Construct viable arguments and critique the reasoning of others.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14
4. Model with mathematics.	5, 25, 27, 35, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 132, 134, 143, 153, 154	28, 29, 30, 35, 37, 42, 43, 47, 50, 53, 55, 58, 63, 67, 71, 72, 76, 79, 83, 86, 90, 93, 97, 99, 100, 108, 110, 115, 117, 118, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 146, 150, 151, 153, 154 Activity 1, 2, 3, 5, 8, 11, 14



2nd Grade Common Core Standards / *Excel* Math Correlation

Standards / Objectives	<i>Excel</i> Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
5. Use appropriate tools strategically.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14
6. Attend to precision.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14
7. Look for and make use of structure.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14
8. Look for and express regularity in repeated reasoning.	5, 15, 25, 27, 30, 33, 35, 40, 50, 57, 66, 77, 81, 83, 90, 95, 97, 100, 102, 103, 104, 109, 113, 117, 119, 125, 127, 128, 130, 132, 134, 143, 153, 154	29, 30, 35, 37, 42, 43, 44, 47, 48, 50, 53, 54, 55, 58, 59, 63, 64, 67, 69, 71, 72, 73, 76, 78, 79, 83, 84, 86, 88, 89, 90, 93, 97, 98, 99, 100, 102, 107, 108, 110, 111, 115, 116, 117, 118, 120, 121, 123, 124, 126, 128, 131, 132, 136, 140, 142, 145, 146, 148, 150, 151, 153, 154 Activity 1, 3, 4, 6, 10, 14

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2nd Grade Common Core Standards / *Excel Math* Correlation

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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The following are concepts not required by the CCS but are lessons in *Excel Math*:

Concept	Lesson	Stretch
Probability	25, 35, 100	Activity 1
Possibilities		50, 81
Reasoning	130	29, 35, 53, 69, 73, 88, 102, 106, 107, 111, 116, 120, 122, 135, 141, 145 Activity 3, 4, 5, 6, 14
Order	40	44, 48, 54, 59, 64, 78, 84, 89, 91, 98, 113, 148, 149
Patterns	96, 101	96
Pre-Algebra	102	
Measurement	Weight: 60 Volume: 65 Perimeter: 132 Calendar / Months: 134, 151	Volume / Capacity: 53 Volume: Measurement Act 1-8 Weight: Measurement Act 1-7
Geometry - Strength of figures		Activity 9, 10
Geometry - Symmetry	75	Activity 12

*Gives opportunity to teach specific Standard

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	Common Core Standard
L1	Learning the addition and subtraction <i>facts</i> up through nine	Operations / Algebraic 2 Number / Operations Base Ten 5, 7, 9
L2	Filling in missing numbers when counting by one (zero through nine)	Operations / Algebraic 2 Number / Operations Base Ten 3
L3	Evaluating numbers using the words <i>most, least, greatest value</i> and <i>least value</i>	Operations / Algebraic 2
L4	Adding 3 one-digit numbers	Operations / Algebraic 2 Number / Operations Base Ten 7, 9
L5	Interpreting <i>tally charts</i>	Measurement / Data 10 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L6	Calculating a number 1 more or less than a given number	Operations / Algebraic 2 Number / Operations Base Ten 5, 7, 9
L7	Recognizing the ordinals <i>first</i> through <i>fifth</i>	Operations / Algebraic 2
L8	Recognizing the shapes - circles, triangles, squares and rectangles	Operations / Algebraic 2 Geometry 1
L9	Learning the addition facts of ten and eleven	Operations / Algebraic 2, 4 Number / Operations Base Ten 5, 7, 8, 9
L10	Reasoning using <i>overlapping figures</i>	Geometry 1
L11	Adding and subtracting a two-digit and a one-digit number; and calculating a number 1 more or less than a given number	Operations / Algebraic 1, 2 Number / Operations Base Ten 6, 7, 9
L12	Recognizing the symbols and terms < <i>less than</i> , > <i>greater than</i> , = <i>equal</i>	Operations / Algebraic 2
L13	Learning the subtraction facts of 10 and 11	Operations / Algebraic 2, 4 Number / Operations Base Ten 5, 7, 8, 9
L14	Putting 3 two-digit numbers in order	
L15	Interpreting information given in <i>picture graphs</i>	Measurement / Data 10 Mathematical Practices 1, 2, 3, 5, 6, 7, 8
L16	Adding and subtracting 2 two-digit numbers; and adding 3 one-digit numbers with a sum less than twenty	Operations / Algebraic 2, 4 Number / Operations Base Ten 2, 5, 6, 7, 8
L17	Recognizing the words for numerals - <i>zero</i> through <i>ten</i>	Operations / Algebraic 2 Number / Operations Base Ten 1b, 3
L18	Filling in missing numbers when counting up to and <i>crossing a ten</i>	Operations / Algebraic 2
L19	Telling time by the hour on an analog clock	Operations / Algebraic 2 Measurement / Data 7
L20	Recognizing addition and subtraction fact families	Operations / Algebraic 2 Number / Operations Base Ten 5
L21	Adding 3 one-digit numbers horizontally	Operations / Algebraic 2
L22	<i>Regrouping</i> using the facts of ten when adding a two-digit and a one-digit number	Operations / Algebraic 2, 4 Number / Operations Base Ten 5, 6, 8
L23	Continued - <i>Regrouping</i> using the facts of ten when adding a two-digit and a one-digit number	Operations / Algebraic 2, 4 Number / Operations Base Ten 5, 6, 7, 8, 9

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	Common Core Standard
L24	Recognizing the words <i>twenty, thirty, forty</i> and <i>fifty</i>	Operations / Algebraic 2, 4 Number / Operations Base Ten 1b, 5, 6, 7, 8, 9
L25	Determining <i>probability</i> using a spinner	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L26	Filling in missing numbers when counting down and crossing a ten	Operations / Algebraic 2
L27	Solving story problems using a five-step process using addition and subtraction	Operations / Algebraic 1 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L28	Recognizing the words <i>eleven, twelve, thirteen</i> and <i>fourteen</i> ; learning addition facts of 12 and 13	Operations / Algebraic 2 Number / Operations Base Ten 1b, 3, 5, 9
L29	Recognizing <i>half past</i> on the clock	Measurement / Data 7
L30	Evaluating information to see if it is <i>sufficient</i> to answer the question	Operations / Algebraic 1 Mathematical Practices 1, 2, 3, 5, 6, 7, 8
L31	Regrouping when adding 2 two-digit numbers using the sums of ten	Operations / Algebraic 2, 4 Number / Operations Base Ten 6
L32	Continued - Regrouping when adding 2 two-digit numbers using the sums of ten	Operations / Algebraic 2, 4 Number / Operations Base Ten 2, 5, 6, 8, 9
L33	Recognizing the words <i>sixty, seventy, eighty</i> and <i>ninety</i> ; solving word problems when there are no calculations	Operations / Algebraic 1 Number / Operations Base Ten 1b, 3 Mathematical Practices 1, 2, 3, 5, 6, 7, 8
L34	Adding 3 two-digit numbers without regrouping	Operations / Algebraic 2 Number / Operations Base Ten 6
L35	Interpreting <i>pie graphs</i> ; calculating possible outcomes	Measurement / Data 10 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L36	Learning the addition facts of 14 and 15; learning a square is also a rectangle	Operations / Algebraic 2 Number / Operations Base Ten 5 Geometry 1
L37	Recognizing by what number a sequence is counting	Number / Operations Base Ten 2
L38	Recognizing the words <i>fifteen, sixteen, seventeen, eighteen</i> and <i>nineteen</i> ; filling in a missing number in a number sentence involving addition	Operations / Algebraic 1, 2 Number / Operations Base Ten 1b, 3
L39	Regrouping using the addition facts of eleven	Operations / Algebraic 4 Number / Operations Base Ten 5, 6, 7
L40	Putting a <i>series of events</i> in order	Mathematical Practices 1, 2, 3, 5, 6, 7, 8
L41	Recognizing any number less than 100	Operations / Algebraic 2 Number / Operations Base Ten 3
L42	Learning the subtraction facts of 12 and 13	Operations / Algebraic 4 Number / Operations Base Ten 5, 6, 7
L43	Recognizing the coins - <i>quarter, dime, nickel</i> and <i>penny</i>	Operations / Algebraic 2 Measurement / Data 8
L44	Learning the days of the week	Operations / Algebraic 2 Measurement / Data 7
L45	Recognizing a <i>quarter to</i> and a <i>quarter past</i> the hour	Measurement / Data 7
L46	Adding 3 two-digit numbers with regrouping	Operations / Algebraic 2, 4 Number / Operations Base Ten 2, 6, 7

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	Common Core Standard
L47	Filling in missing numbers when counting by 5 or 10	Number / Operations Base Ten 2
L48	Learning the addition facts of 16, 17 and 18	Operations / Algebraic 2 Number / Operations Base Ten 5, 7, 9
L49	Regrouping using the addition facts of 12	Operations / Algebraic 4, 6 Number / Operations Base Ten 8, 9
L50	Interpreting information from <i>bar graphs</i>	Measurement / Data 10 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L51	Continued - Regrouping using the addition facts of 12; adding 4 one-digit numbers	Operations / Algebraic 2, 4 Number / Operations Base Ten 5, 6, 7, 8, 9
L52	Filling in a missing number in a number sentence involving addition	Operations / Algebraic 1, 2
L53	Reading scales and other measuring devices	Operations / Algebraic 2
L54	Grouping items by tens	Operations / Algebraic 2, *3, 4 Number / Operations Base Ten 2, 6
L55	Learning the names for units of <i>length</i> (<i>inch, foot, yard, centimeter, meter, kilometer</i>)	Measurement / Data 1, 2, 3, 4
L56	Learning the subtraction facts of 14 and 15	Operations / Algebraic 1, 2, *3, 4 Number / Operations Base Ten 5, 7, 9
L57	Solving story problems with <i>extraneous information</i> and the phrase <i>more than</i>	Operations / Algebraic 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L58	Filling in a missing number in a number sentence involving subtraction	Operations / Algebraic 1, 2
L59	Regrouping using the addition facts of 13	Operations / Algebraic 4 Number / Operations Base Ten 2, 5, 6, 7, 8, 9
L60	Learning the names for units of <i>weight</i> (<i>ounce, pound, ton, gram, kilogram</i>)	
L61	Putting four numbers in order from <i>least to greatest</i>	Operations / Algebraic 2
L62	Telling time by 5 minutes	Operations / Algebraic 2 Measurement / Data 7
L63	Solving <i>fractional part</i> problems modeled with shading and figures	Geometry 1, 2, 3
L64	Writing numbers that are represented in units of tens and ones	Operations / Algebraic 2 Number / Operations Base Ten 2, 3
L65	Learning the names for units of <i>volume</i> (<i>cup, pint, quart, gallon, liter</i>)	
L66	Solving story problems involving money	Operations / Algebraic 1, 2 Measurement / Data 8 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L67	Learning the subtraction facts of 16, 17, and 18	Operations / Algebraic 2, *3, 4 Number / Operations Base Ten 5, 7, 9
L68	Regrouping using the addition facts of 14	Operations / Algebraic 2 Number / Operations Base Ten 6
L69	Telling time to the minute	Operations / Algebraic 2

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	Common Core Standard
L70	Filling in a missing number when counting by two	Operations / Algebraic 2, *3 Measurement / Data 7
L71	Regrouping using subtraction facts of 10 when subtracting a one-digit from a two-digit number	Operations / Algebraic 1, 4 Number / Operations Base Ten 2, 3, 5, 6, 7, 8, 9
L72	Continued - Regrouping using subtraction facts of 10 when subtracting a one-digit from a two-digit number	Operations / Algebraic 1, 4 Number / Operations Base Ten 2, 3, 5, 6, 7, 8, 9
L73	Putting 4 two-digit numbers in order from greatest to least	Operations / Algebraic 4 Number / Operations Base Ten 2, 3, 5, 6, 7, 8, 9
L74	Learning about ones and tens pieces	Number / Operations Base Ten 2, 3
L75	Recognizing <i>lines of symmetry</i>	
L76	Regrouping using the addition facts of 15, 16, 17, and 18; recognizing ordinals <i>sixth</i> through <i>tenth</i>	Operations / Algebraic 2 Number / Operations Base Ten 5, 6, 7
L77	Calculating one-half of a group of up to 10 things; even and odd numbers	Operations / Algebraic 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L78	Recognizing shapes with common characteristics	Geometry 1
L79	Recognizing the <i>dollar symbol</i> and <i>decimal</i> ; adding and subtracting money amounts	Operations / Algebraic 2
L80	Selecting the correct fraction; defining <i>numerator</i> and <i>denominator</i>	Geometry 2, 3
L81	Solving story problems involving the <i>comparative</i> words “less than” and “greater than”	Operations / Algebraic 1, 2 Number / Operations Base Ten 6 Measurement / Data 5 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L82	Regrouping when subtracting a two-digit number from a two-digit number using subtraction facts of 10	Operations / Algebraic 2, 4 Number / Operations Base Ten 2, 3, 5, 6, 7, 8, 9
L83	Learning <i>change equivalents</i> for a quarter, dime and nickel.	Operations / Algebraic 2 Measurement / Data 8 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L84	Measuring a <i>line segment</i> to the nearest inch	Operations / Algebraic 2 Measurement / Data 1, 2, 3, 4, *5, *6, *9
L85	Measuring a <i>line segment</i> to the nearest centimeter	Measurement / Data 1, 2, 3, 4, *5, *6, *9
L86	Adding and subtracting money amounts horizontally	
L87	Filling in missing numbers when counting by two and <i>crossing a ten</i>	Operations / Algebraic 2, *3
L88	Regrouping using the subtraction facts of 11	Operations / Algebraic *3, 4 Number / Operations Base Ten 2, 3, 5, 6, 7, 8, 9
L89	Calculating the minutes before an hour	Measurement / Data 7

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	Excel Math Lesson Objective	Common Core Standard
L90	Computing the <i>area</i> of a <i>plane figure</i> given in <i>square units</i>	Operations / Algebraic 2 Geometry 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L91	Recognizing the hundreds place	Operations / Algebraic 4 Number / Operations Base Ten 1a, 1b, 2, 3
L92	Recognizing any number to 999; not having zeros; adding and subtracting two three-digit numbers	Operations / Algebraic 2 Number / Operations Base Ten 1b, 3, 6
L93	Recognizing a sequence counting by ten (23, 33, 43, 53)	Number / Operations Base Ten 2
L94	Regrouping using the subtraction facts of 12 and 13	Operations / Algebraic 4 Number / Operations Base Ten 1b, 2, 3, 5, 6, 7, 8, 9
L95	Solving multiplication word problems using models and pictures	Operations / Algebraic 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L96	Recognizing patterns of shading	Geometry 1, 2, 3
L97	Calculating a number more or less than a given number; solving addition and subtraction problems given in words	Operations / Algebraic 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L98	Telling time within so many hours, on the hour	Operations / Algebraic 2 Measurement / Data 7
L99	Recognizing <i>odd</i> and <i>even</i> numbers, up to 10	Operations / Algebraic 2, 3
L100	Calculating probability from <i>possible outcomes</i>	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L101	Completing a <i>pattern of shapes</i>	Operations / Algebraic 2 Geometry 1
L102	Learning the <i>order of operations</i> when <i>parentheses</i> are involved	Operations / Algebraic 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L103	Performing a calculation and then filling in a missing number in a number sentence	Operations / Algebraic 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L104	Solving <i>two-step word problems</i>	Operations / Algebraic 1 Number / Operations Base Ten 6 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L105	Counting by two when interpreting information in picture graphs	Operations / Algebraic 3 Measurement / Data 10
L106	Regrouping to the tens place when adding 2 three-digit numbers	Operations / Algebraic 2, 4 Number / Operations Base Ten 1a, 2, 3, 7, 8, 9
L107	Regrouping with subtraction facts of 14 and 15.	Operations / Algebraic 2, 4 Number / Operations Base Ten 1a, 2, 3, 5, 6, 7, 8, 9
L108	Learning the <i>multiplication facts</i> with products up to 10 and products with two as a factor	
L109	Recognizing money number words (<i>cents</i> and <i>dollar</i>); writing change with a \$ and a decimal	Operations / Algebraic 1, 2 Number / Operations Base Ten 3, 7 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L110	Recognizing <i>three-dimensional figures</i>	Geometry 1

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	Common Core Standard
L111	Recognizing odd and even numbers up to 20; calculating one-half of a group up to 20	Operations / Algebraic 2 Geometry 3
L112	Discerning true number sentences using < less than , > greater than , = equal and ≠ not equal ; defining the term <i>equation</i>	Operations / Algebraic 2
L113	Solving division story problems by selecting the correct model	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L114	Continued - Solving division story problems by selecting the correct model	Operations / Algebraic 2 Geometry 3
L115	Learning division facts with dividends up to 14 by dividing into equal parts	Geometry 3
L116	Regrouping with the tens place when subtracting 2 three-digit numbers	Operations / Algebraic 2, 4 Number / Operations Base Ten 1a, 2, 7
L117	Selecting the correct equation when given a story problem	Operations / Algebraic 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L118	Regrouping with subtraction using subtraction facts of 16, 17 and 18; adding 4 two-digit numbers	Operations / Algebraic 4 Number / Operations Base Ten 2, 5, 6, 8, 9
L119	Recognizing a <i>half dollar</i> ; learning which coins to use to buy something	Operations / Algebraic 2 Measurement / Data 8 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L120	Learning that the <i>whole</i> is the <i>sum of its parts</i>	Geometry 3
L121	Learning the multiplication facts with products using 5 as a factor	
L122	Regrouping with the hundreds place when adding	Operations / Algebraic 4 Number / Operations Base Ten 2, 3
L123	Solving <i>place value</i> problems with a zero in the tens or ones place	Operations / Algebraic 4 Number / Operations Base Ten 1a, 1b, 2, 3, 7, 8, 9
L124	Using pairs of numbers in < less than, > greater than, and = equal to problems	
L125	Learning to solve word problems using multiplication	Operations / Algebraic 1, 2 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L126	Learning to match numbers with fractional parts of a circle	Operations / Algebraic 2 Geometry 3
L127	Learning to solve word problems involving division when given pictures	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L128	Continued - Learning to solve word problems involving division when given pictures	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L129	Regrouping only with the hundreds place when subtracting	Operations / Algebraic 4 Number / Operations Base Ten 1a, 1b, 2, 3, 7, 8, 9
L130	Using <i>deductive reasoning</i> to solve a story problem	Mathematical Practices 1, 2, 3, 5, 6, 7, 8
L131	Learning the multiplication facts with products up to 20	Operations / Algebraic 2

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	Excel Math Lesson Objective	Common Core Standard
L132	Calculating <i>perimeters</i> to the nearest inch or centimeter	Measurement / Data 1, 2, 3, 4 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L133	Regrouping twice when adding 2 three-digit numbers; adding 3 three-digit numbers, regrouping once	Operations / Algebraic 2 Number / Operations Base Ten 6, 7
L134	Calculating the date within one week going forward	Operations / Algebraic 1 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L135	Learning to recognize flips, turns and slides	Geometry 1
L136	Learning division facts with dividends up to 20	
L137	Recognizing <i>multiplication</i> and <i>division families</i>	Operations / Algebraic 2
L138	Regrouping when adding or subtracting money amounts	Operations / Algebraic 2
L139	Regrouping twice when subtracting 2 three-digit numbers	Number / Operations Base Ten 7
L140	Regrouping twice when subtracting money amounts	Operations / Algebraic 2
L141	Learning the multiplication facts with products less than 100 and with 10 or 11 as a factor	Operations / Algebraic 2
L142	Evaluating three-digit numbers in < and > problems and <i>put-in-order problems</i>	Number / Operations Base Ten 4
L143	Telling time within so many hours, off the hour	Measurement / Data 7 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L144	Learning to recognize when figures are <i>similar</i> or <i>congruent</i>	Number / Operations Base Ten 3 Geometry 1
L145	Subtracting three-digit numbers, regrouping twice, when there is a 1 or 0 in the tens place	Operations / Algebraic 2, 4 Number / Operations Base Ten 1a, 1b, 2
L146	Regrouping twice when adding 3 three-digit numbers	Operations / Algebraic 2
L147	Adding 3 or 4 one-digit numbers where the sum is greater than 19 and less than 30	Operations / Algebraic 2
L148	Recognizing any number up to 999	Operations / Algebraic 2 Number / Operations Base Ten 1b, 3
L149	Learning the <i>dollar equivalents</i> for half dollars, quarters and dimes	Measurement / Data 8
L150	Adding and subtracting fractions	Geometry 1, 2, 3
L151	Recognizing the names of the months of the year	
L152	Learning <i>division facts</i> when the dividend is a multiple of 5	
L153	Learning to solve word problems involving division	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L154	Continued - Learning to solve word problems involving division	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
L155	Recognizing <i>equivalent fractions</i> in pictures	Geometry 1, 2, 3

Common Core 2nd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	Excel Math Lesson Objective	Common Core Standard
Measurement Activity- Volume	1 - Volume – Non-standard units 2 - Volume – Non-standard units 3 – Volume – Cups & pints 4 – Volume – Cups & quarts 5 – Volume – Cups & pints 6 – Volume – Pints & quarts 7– Volume – Pints & gallons 8– Volume – Cups & liters	
Measurement Activity- Weight	1 – Weight – Non-standard units 2 – Weight – Non-standard units 3 – Weight – Ounces 4 – Weight – Pounds 5 – Weight – Pounds 6 – Weight – Kilograms 7– Weight – Pounds & kilograms	
Measurement Activity- Distance	1 – Distance – Non-standard 2 – Distance – Non-standard 3 – Distance – Length - Inches 4 – Distance – Length - Centimeters 5 – Distance – Length – Inches and centimeters 6 – Distance – Length – Feet, yards, meters	Measurement / Data 1, 2, 3, 4, 5, 9, 10
Activity 1	Probability Grid	Measurement / Data 10 Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
Activity 2	Fractional Parts	Geometry 1, 2, 3 Mathematical Practices 4
Activity 3	Deductive Reasoning	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8
Activity 4	Asking Questions	Mathematical Practices 1, 2, 3, 5, 6, 7, 8
Activity 5	Deductive Reasoning	Geometry 3 Mathematical Practices 4
Activity 6	Scheduling Teams	Mathematical Practices 1, 2, 3, 5, 6, 7, 8
Activity 7	Strength of Figures	
Activity 8	Facts and Opinions	Measurement / Data 10 Mathematical Practices 4
Activity 9	Balancing Scales	Geometry 1
Activity 10	Advertising Information	Geometry 1 Mathematical Practices 1, 2, 3, 5, 6, 7, 8
Activity 11	Lines of Symmetry	Measurement / Data 1 Mathematical Practices 4
Activity 12	Strength of Figures	Geometry 1
Activity 13	Pieces on a Grid	Geometry 1, 2, 3
Activity 14	Frogs on a Pad	Mathematical Practices 1, 2, 3, 4, 5, 6, 7, 8