

Unit #	Standards / Objectives	Excel/ Math Lesson Numbers	Activity Numbers Stretch Numbers
--------	------------------------	----------------------------	----------------------------------

<b>NUMBER AND NUMBER RELATIONS</b>
------------------------------------

2	1. Read and write place value in word, standard, and expanded form through 1,000,000 (N-1-E)	1, 2, 7, 12, 22, 27, 28, 36, 42, 43, 50, 52, 53, 55, 82, 83, 85, 102, 126, 129, 131	
1, 2	2. Read, write, compare, and order whole numbers using place value concepts, standard notation, and models through 1,000,000 (N-1-E) (N-3-E) (A-1-E)	1, 3, 6, 7, 8, 13, 22, 23, 46, 48, 50, 51, 55, 69, 91, 93, 102, 103, 106, 126, 151  Positive / Negative: 133	3, 7, 8, 11, 13, 17, 21, 25, 63, 68, 76, 87, 90, 92, 102, 105, 106, 113, 117, 122, 128, 132, 142, 143  Activity 12
3	3. Illustrate with manipulatives when a number is divisible by 2, 3, 5, or 10 (N-1-E)	21, 24, 27, 28, 33, 42, 43, 49, 51, 52, 53, 61, 73, 82, 83, 87, *91, 93, 107, 115, 148	115, 117, 121
1, 3 4, 8	4. Know all basic facts for multiplication and division through 12 x 12 and 144 ÷ 12, and recognize factors of composite numbers less than 50 (N-1-E) (N-6-E) (N-7-E)	12, 13, 14, 17, 18, 19, 21, 22, 23, 24, 26, 29, 31, 34, 36, 46, 47, 48, 49, 51, 52, 53, 54, 56, 59, 61, 62, 64, 66, 71, 73, 74, 76, 77, 78, 79, 80, 84, 87, 89, 91, 92, 93, 94, 96, 98, 101, 102, 103, 108, 112, 114, 117, 122, 124, 129, 131, 132, 136, 137, 138, 141, 142  Prime: 94, 135  Add / Sub: 2, 3, 6, 7, 8, 11, 13, 14	8, 14, 22, 29, 45, 52, 56, 69, 75, 80, 89, 93, 95, 99, 104, 109, 115, 117, 118, 129, 132, 142, 148, 155
5, 7	5. Read, write, and relate decimals through hundredths and connect them with corresponding decimal fractions (N-1-E)	9, 11, 26, 61, 82, 83, 85, 100, 104, 105, 115, 117, 118, *127, *128, 131, 137, 145, 148  Add / Sub: 11, 86  Division: 109, 115, 139, 148  Multiplication: 141, 142	Activity 6
5, 7 8	6. Model, read, write, compare, order, and represent fractions with denominators through twelfths using region and set models (N-1-E) (A-1-E)	15, 16, 17, 54, 75, 79, 88, 95, 99, 110, 112, 114, 117, 118, 125, 127, 128, 137, 145, 148  Add / Sub: 67, 76, 80  Multiplication: 153, 154	59
2, 5 7	7. Give decimal equivalents of halves, fourths, and tenths (N-2-E) (N-1-E)	100, 118, 137, 148	



## Louisiana 4<sup>th</sup> Grade Standards / *Excel Math* Correlation

Unit #	Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers Stretch Numbers
2, 7	8. Use common equivalent reference points for percents (i.e., $\frac{1}{4}$ , $\frac{1}{2}$ , $\frac{3}{4}$ , and 1 whole) (N-2-E)	127, 128, 136, 137, 143, 145	
5, 7	9. Estimate fractional amounts through twelfths, using pictures, models, and diagrams (N-2-E)	*75, 85, 136, 137	27, 41, 55
3, 4 5, 8	10. Solve multiplication and division number sentences including interpreting remainders (N-4-E) (A-3-E)	16, 21, 22, 33, 54, 72, 74, 87, 91, 92, 95, 109, 115, 120, 134, 139, 148, 149	14, 22, 27, 29, 31, 41, 45, 55, 56, 59, 67, 69, 71, 75, 79, 80, 86, 89, 93, 96, 99, 104, 109, 115, 117, 118, 121, 125, 129, 148, 153, 155  Activity 6, 8, 11
4, 5	11. Multiply 3-digit by 1-digit numbers, 2-digit by 2-digit numbers, and divide 3-digit numbers by 1-digit numbers, with and without remainders (N-6-E) (N-7-E)	12, 28, 32, 42, 43, 47, 52, 53, 59, 61, 62, 82, 83, 84, 89, 107, 109, 115, 116, 124, 138, 141, 142, 146, 151	96, 153
1, 2	12. Count money, determine change, and solve simple word problems involving money amounts using decimal notation (N-6-E) (N-9-E) (M-1-E) (M-5-E)	9, 11, 12, 16, 26, 55, 61, 104, 109, 139	16, 20, 28, 30, 47, 83, 91, 101, 103, 111, 114, 146, 153  Activity 6
1, 2 3, 4 5, 8	13. Determine when and how to estimate, and when and how to use mental math, calculators, or paper/pencil strategies to solve multiplication and division problems (N-8-E)	24, 26, 35, 45, 47, 54, 55, 59, 69, 74, 84, 86, 87, 89, 90, 92, 104, 107, 109, 115, 123, 124, 129, 134, 138, 139, 151	3, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 21, 22, 25, 27, 28, 29, 30, 31, 33, 39, 41, 43, 45, 47, 48, 51, 52, 55, 56, 59, 67, 69, 71, 73, 75, 76, 79, 80, 83, 86, 87, 89, 91, 92, 93, 95, 96, 99, 101, 103, 104, 105, 106, 108, 109, 111, 114, 115, 116, 117, 118, 119, 125, 126, 127, 128, 129, 130, 132, 133, 136, 138, 146, 147, 148, 153, 155  Activity 6, 8, 11
1, 2 3, 4 6, 8	14. Solve real-life problems, including those in which some information is not given (N-9-E)	1, 4, 9, 10, 15, 17, 20, 26, 31, 33, 46, 51, 54, 56, 72, 77, 90, 92, 104, 109, 111, 123, 124, 129, 131, 139, 143	1, 2, 5, 10, 14, 18, 22, 27, 28, 29, 33, 40, 41, 43, 47, 48, 51, 55, 59, 64, 69, 71, 73, 76, 77, 79, 83, 84, 86, 87, 91, 95, 97, 98, 101, 108, 111, 112, 114, 115, 116, 118, 120, 125, 126, 127, 130, 133, 146, 147, 148, 153, 155  Activity 6, 8, 11

Unit #	Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers Stretch Numbers
--------	------------------------	---------------------------	-------------------------------------

<b>ALBEGRA</b>			
2, 3 4, 5 6	15. Write number sentences or formulas containing a variable to represent real-life problems (A-1-E)	*1, 14, *20, *31, *33, *34, 41, *54, 56, 68, 72, *77, 87, 90, 92, 95, 104, 109, 111, *120, *124, 134, 147, 152, 155	5, 10, 14, 16, 18, 20, 22, 27, 28, 29, 30, 33, 41, 43, 47, 48, 55, 59, 71, 76, 77, 79, 83, 86, 101, 103, 118, 119, 125, 130, 136, 137, 138, 147, 148, 155  Activity 6, 8, 11  Not Real Life: 9, 15, 19, 21, 25, 27, 31, 39, 45, 52, 56, 69, 75, 80, 89, 90, 91, 93, 95, 99, 104, 109
4, 5 6	16. Write a related story problem for a given algebraic sentence (A-1-E)	*14, *26, *34, 35, *56, *72, *87, *134, *152	20, 28, 30, *76, *95  Activity 6, 8
4	17. Use manipulatives to represent the distributive property of multiplication over addition to explain multiplying numbers (A-1-E) (A-2-E)	*12, *24, *34, *36, *49, 108  Commutative: 72  Associative: 108	
5, 6 8	18. Identify and create true/false and open/closed number sentences (A-2-E)	9, 14, *22, 31, 34, 35, 54, 74, 90, 99, 100, 125, 134, 139, 155	3, 5, 7, 8, 10, 11, 16, 18, 20, 21, 25, 27, 28, 30, 43, 45, 47, 48, 52, 56, 59, 67, 69, 75, 76, 79, 80, 87, 89, 90, 95, 96, 101, 103, 105, 111, 113, 115, 117, 121, 122, 126, 130, 132, 136, 138, 142, 146, 147  Activity 6, 11
3, 5 6, 8	19. Solve one-step equations with whole number solutions (A-2-E) (N-4-E)	1, 14, 16, 20, 21, 31, 35, 41, 54, 56, 68, 74, 86, 87, 90, 91, 92, 93, 95, 109, 111, 115, 120, 152, 155  Parentheses: 34, 108	3, 5, 6, 7, 8, 9, 10, 14, 15, 16, 18, 19, 20, 21, 22, 25, 26, 27, 28, 29, 30, 31, 33, 39, 41, 43, 45, 47, 48, 52, 55, 56, 59, 67, 69, 75, 76, 77, 79, 80, 83, 86, 87, 89, 90, 91, 92, 93, 95, 96, 99, 101, 102, 103, 104, 109, 111, 114, 115, 116, 117, 118, 119, 129, 130, 133, 136, 138, 147, 153, 155  Activity 6, 8, 11

Unit #	Standards / Objectives	Excel/ Math Lesson Numbers	Activity Numbers Stretch Numbers
--------	------------------------	----------------------------	----------------------------------

**MEASUREMENT**

6	20. Measure length to the nearest quarter-inch and mm (M-2-E) (M-1-E)	30, 37, 64, 121	
6	21. Describe the concept of volume, and measure volume using cubic in. and cubic cm and capacity using fl. oz. and ml (M-2-E) (M-3-E)	29, 95, 105	23, 48, 76, 87, 95, 133, 134, 139, 144, 149, 154
6	22. Select and use the appropriate standard units of measure, abbreviations, and tools to measure length and perimeter (i.e., in., cm, ft., yd., mile, m, km), area (i.e., square inch, square foot, square centimeter), capacity (i.e., fl. oz., cup, pt., qt., gal., l, ml), weight/mass (i.e., oz., lb., g, kg, ton), and volume (i.e., cubic cm, cubic in.) (M-2-E) (M-1-E)	Length: 29, 30, 63, 64 Perimeter: 64, 96, 120 Area: 68, 96, 120, 147, 149, 155 Capacity / Weight / Mass: 29, 123 Volume: 95, 105 Temperature: 133	23, 48, 117, 118, 125, 135, 137, 150 Activity 7, 10
2	23. Set up, solve, and interpret elapsed time problems (M-2-E) (M-5-E)	18, 19, 57, 66, 90, 111, 124	10, 18, 43, 70, 148
6	24. Recognize the attributes to be measured in a real-life situation (M-2-E) (M-5-E)	29, 92, 121	48, 76, 87, 117, 118, 125, 133, 135, 137 Activity 10
6	25. Use estimates and measurements to calculate perimeter and area of rectangular objects (including squares) in U.S. (including square feet) and metric units (M-3-E)	68	118, 125, 135, 137, 150 Activity 7, 10
6	26. Estimate the area of an irregular shape drawn on a unit grid (M-3-E)	Estimate of Standard: 29	Activity 10
6	27. Use unit conversions within the same system to solve real-life problems (e.g., 60 sec. = 1 min., 12 objects = 1 dozen, 12 in. = 1 ft., 100 cm = 1 m, 1 pt. = 2 cups) (M-4-E) (N-2-E) (M-5-E)	37, 63, 73, 90, 121, 124	Activity *7

Unit #	Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers Stretch Numbers
<b>GEOMETRY</b>			
6	28. Identify the top, bottom, or side view of a given 3-dimensional object (G-1-E) (G-3-E)	40, 95, 149	140, 141 Activity 9
6	29. Identify, describe the properties of, and draw circles and polygons (triangle, quadrilateral, parallelogram, trapezoid, rectangle, square, rhombus, pentagon, hexagon, octagon, and decagon) (G-2-E)	15, 38, 39, 44, 58, 71, 96, 98, 144, 147, 155	4, 24, 32, 36, 44, 53, 58, 65, 66, 78, 82, 94, 100, 107, 110, 119, 123, 131, 150 Activity 3, 4, 9
6	30. Make and test predictions regarding transformations (i.e., slides, flips, and turns) of plane geometric shapes (G-3-E)	60 Symmetry: 30	4, 32, 36, 44, 53, 58, *60, 65, 66, 78, 82, *94, *100, *107 Activity 3
6	31. Identify, manipulate, and predict the results of rotations of 90, 180, 270, and 360 degrees on a given figure (G-3-E)	70, 132	*60 Graphing Activity 6
6	32. Draw, identify, and classify angles that are acute, right, and obtuse (G-5-E) (G-1-E)	70, 78, 132	
6, 8	33. Specify locations of points in the first quadrant of coordinate systems and describe paths on maps (G-6-E)	65, 97, 120, 130, 140	Activity 5

Unit #	Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers Stretch Numbers
--------	------------------------	---------------------------	----------------------------------

<b>ANALYSIS, PROBABILITY, and DISCRETE MATH</b>			
1	34. Summarize information and relationships revealed by patterns or trends in a graph, and use the information to make predictions (D-1-E)	4, 5, 25, 44, 56, 80, 119	7, 10, 11, 17, 18, 24, 43, 86, 97, 112, 145, 151 Graphing Activity: 1, 2, 3, 4, 5, 6
1, 7 8	35. Find and interpret the meaning of mean, mode, and median of a small set of numbers (using concrete objects) when the answer is a whole number (D-1-E)	122, 123, 150	*13 Graphing Activity *2, *3, *6
1, 7	36. Analyze, describe, interpret, and construct various types of charts and graphs using appropriate titles, axis labels, scales, and legends (D-2-E) (D-1-E)	*5, 20, 25, 39, 40, 56, 80, 119, 121	86, 97, 112, 145, 151 Graphing Activity: 1, 2, 3, 4, 5, 6
1, 7	37. Determine which type of graph best represents a given set of discrete data (D-2-E) (D-1-E)	*20, *44, 80, *119	86, 97, 112, 145, 151 Graphing Activity 1, 2, 3, 6
6, 8	38. Solve problems involving simple deductive reasoning (D-3-E)	4, 10, 41	1, 2, 5, 22, 23, 27, 29, 33, 34, 37, 38, 40, 42, 45, 46, 47, 49, 50, 51, 52, 54, 55, 57, 61, 64, 70, 71, 72, 74, 79, 81, 84, 86, 88, 91, 97, 98, 111, 112, 115, 120, 121, 133, 134, 139, 140, 141, 144, 145, 149, 151, 154, 155 Activity 2, 6
1, 8	39. Use lists, tables, and tree diagrams to generate and record all possible combinations for 2 sets of 3 or fewer objects (e.g., combinations of pants and shirts, days and games) and for given experiments (D-3-E) (D-4-E)	5, 51, 77	6, 7, 11, 17, 24, 27, 85
1, 2 6, 8	40. Determine the total number of possible outcomes for a given experiment using lists, tables, and tree diagrams (e.g., spinning a spinner, tossing 2 coins) (D-4-E) (D-5-E)	5	85
1, 7	41. Apply appropriate probabilistic reasoning in real-life contexts using games and other activities (e.g., examining fair and unfair situations) (D-5-E) (D-6-E)	4, 5	*85 Graphing Activity 1, 2



## Louisiana 4<sup>th</sup> Grade Standards / *Excel Math* Correlation

Unit #	Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Activity Numbers Stretch Numbers
<b>PATTERNS, RELATIONS, and FUNCTIONS</b>			
1, 3 4	42. Find and describe patterns resulting from operations involving even and odd numbers (such as even + even = even) (P-1-E)	*6, 17, 61, 102	16, 90, 121  Order: 1, 2, 34, 37, 42, 46, 50, 54, 57, 61, 72, 74, 81, 88
1, 8	43. Identify missing elements in a number pattern (P-1-E)	6, 8, 23, 25, 48, 56, 58, 101, 103, 105, 113, 117, 126, 151, 152	8, 12, 16, 20, 35, 48, 62, 77, 116, 124, 130, 136, 138  Geometric: 60
1, 8	44. Represent the relationship in an input-output situation using a simple equation, graph, table, or word description (P-2-E)	4, 20, 25, 51, 56, *91, 126, 151, 152	7, 11, 12, 16, 17, 20, 86, 97, 124, 152