

Unit #	Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers
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NUMBER AND NUMBER RELATIONS			
2	1. Model, read, and write place value in word, standard, and expanded form for numbers through 9999 (N-1-E)	1, 7, 12, 14, 19, 23, 29, 34, 37, 42, 43, 47, 49, 51, 61, 64, 67, 91, 100, 101, 102, 103, 131, 132, 133, 136, 150	
2	2. Read, write, compare, and order whole numbers through 9999 using symbols (i.e., <, =, >) and models (N-1-E) (N-3-E)	1, 2, 3, 4, 6, 9, 13, 27, 36, 38, 43, 49, 53, 57, 79, 98, 104, 117, 143, 144	9, 30, 65, 82, 85, 91, 93, 100, 116, 123, 125
2	3. Use region and set models and symbols to represent, estimate, read, write, and show understanding of fractions through tenths (N-1-E) (N-2-E)	54, 66, 82, 109, 137, 140, 147, 148, 149	Activity 3 Percent: Activity 8
4	4. Use the concepts of associative and commutative properties of multiplication to simplify computations (N-4-E) (N-7-E)	46, *53, *68, 71, 96, *97, 117, *113, *131, 142, 151	
4, 8	5. Recognize and model multiplication as a rectangular array or as repeated addition (N-4-E) (N-7-E)	39, 46, 53, 61, 68, 73, 91, 95, 97, 131	25
5, 8	6. Recognize and model division as separating quantities into equal subsets (fair shares) or as repeated subtraction (N-4-E) (N-7-E)	31, 58, 59, 71, 87, 88, 93, 94, 101, 102, 103, 118, 132, 133, 153, 154	
4, 5	7. Recognize and apply multiplication and division as inverse operations (N-4-E)	71, 96, 103, 117, 118, 133, 142, 151	
5, 8	8. Recognize, select, connect, and use operations, operational words, and symbols (i.e., +, -, x, ÷) to solve real-life situations (N-5-E) (N-6-E) (N-9-E)	10, 11, 15, 22, 31, 32, 40, 65, 68, 75, 83, 84, 85, 87, 88, 105, 110, 111, 114, 115, 121, 123, 127, 137, 151	7, 10, 12, 18, 22, 25, 26, 29, 34, 37, 38, 43, 45, 52, 54, 62, 69, 71, 81, 92, 96, 97, 103, 106, 112, 117, 121, 122, 123, 130, 135, 137, 140, 143, 152, 155



Louisiana 3rd Grade Standards / *Excel Math* Correlation

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4, 5 8	9. Know basic multiplication and division facts [0s, 1s, 2s, 5s, 9s, and turn-arounds (commutative facts), including multiplying by 10s] (N-6-E) (N-4-E)	39, 42, 46, 48, 49, 51, 52, 53, 56, 57, 58, 59, 61, 64, 67, 68, 69, 71, 72, 73, 74, 76, 79, 81, 82, 83, 84, 86, 89, 92, 94, 96, 97, 98, 99, 104, 107, 108, 111, 113, 117, 118, 119, 121, 124, 126, 127, 131, 136, 139, 142, 143, 144, 146, 148, 151, 152, 153, 154	70, 71, 73, 75, 83, 89, 95, 96, 100, 110, 143
3	10. Calculate the value of a combination of bills and coins and make change up to \$5.00 (N-6-E) (M-1-E) (M-5-E)	16, 22, 33, 44, 51, 82, 114, 134, 146, 149, 151	10, 55, 92, 105, 112, 122, 130, 137, 139, 152
2, 8	11. Add and subtract numbers of 3 digits or less (N-6-E) (N-7-E)	12, 29, 33, 34, 41, 47, 51, 52, 64, 67, 91, 95, 114, 123, 136	
3	12. Round to the nearest 1000 and identify situations in which such rounding is appropriate (N-7-E) (N-9-E)	60, 75, 85, 90, 115, 134	
2	13. Determine when and how to estimate, and when and how to use mental math, calculators, or paper/pencil strategies to solve addition and subtraction problems (N-8-E) (N-9-E)	1, 2, 3, 6, 7, 8, 11, 13, 14, 15, 16, 17, 19, 23, 24, 26, 27, 28, 29, 31, 32, 33, 34, 36, 37, 38, 40, 41, 42, 44, 45, 47, 51, 52, 57, 58, 64, 67, 68, 69, 73, 74, 75, 79, 84, 85, 91, 92, 95, 96, 98, 99, 105, 107, 114, 115, 121, 122, 123, 131, 137, 146, 151, 152	1, 2, 5, 6, 7, 9, 10, 11, 12, 13, 16, 18, 19, 21, 22, 24, 25, 26, 28, 30, 31, 33, 35, 36, 37, 38, 39, 40, 43, 44, 48, 49, 52, 54, 55, 56, 57, 62, 63, 65, 68, 69, 77, 79, 81, 91, 95, 96, 100, 101, 102, 103, 106, 107, 109, 110, 112, 114, 117, 119, 121, 122, 123, 124, 125, 129, 130, 134, 135, 137, 138, 139, 140, 141, 143, 144, 146, 149, 152, 154

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ALGEBRA			
2	14. Use the symbols $<$, $>$, and \neq to express inequalities (A-1-E)	4, 21, 57, 99	102, 117, 128
4, 5	15. Use objects, pictures, numbers, symbols, and words to represent multiplication and division problem situations (A-1-E)	39, 58, 59, 61, 71, 76, 81, 83, 87, 88, 91, 92, 93, 94, 96, 97, 101, 102, 103, 107, 109, 111, 113, 114, 118, 121, 131, 132, 133, 142, 151, 152, 153, 154 Add / Sub: 28, 36, 65, 84, 123 Parentheses: 28, 57, 92, 107	5, 25, 34, 70, 71, 73, 75, 83, 89, 94, 95, 96, 100, 101, 105, 106, 110, 114, 119, 122, 124, 129, 134, 135, 152 Parentheses: 33
4, 5	16. Use number sentences to represent real-life problems involving multiplication and division (A-1-E) (N-4-E)	68, 83, 87, 88, 105, 110, 111, 114, 121, 151, 152 Add / Sub: 11, 22, 36, 37, 123	5, 10, 25, 34, 55, 71, 96, 105, 106, 130, 137, 152 Add / Sub: 22, 35, 37, 43, 54, 68, 65, 69, 85, 102, 103, 123
3	17. Analyze and describe situations where proportional trades or correspondences are required (e.g., trade 2 pieces of candy for 3 pieces of gum, make equivalent actions on pans to keep balance scale in equilibrium, plan for the number of pieces of bread needed for x sandwiches) (A-1-E)	16, 32, 44, 83, 107, 109, 114, 121, 122, 125, 126, 127, 146, 151	55, 96, 102, 106, 109, 117, 121, 127, 128
4, 5	18. Use letters as variables in mathematical statements that represent real-life problems (e.g., $2 \times n = 8$) (A-2-E)	36, 81, 107, *123, *151	12, 22, 25, *37, *38, *52, 55, 69, 81, 105, 109, 112, 122, 130, 137 Non real-life: 1, 11, 19, 24, 31, 39, 40, 44, 49, 56, 63, 68, 70, 73, 75, 79, 83, 89, 91, 94, 101, 107, 110, 114, 119, 124, 125, 129, 134, 141, 149, 154

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MEASUREMENT			
6, 7	19. Measure length to the nearest yard, meter, and half-inch (M-1-E)	56, 74, 108, 121	3, 150
7	20. Measure capacity using pints and gallons (M-1-E)	83 Volume: 50, 63, 135, 145	29 Volume: Activity 7
7	21. Measure weight using grams and ounces (M-1-E)	*50, 62, 83	109, 121, 127, 140, 155
4, 7	22. Find the perimeter of a geometric shape given the length of its sides (M-1-E)	86, 116, *124	145, 150
4, 7	23. Find the area in square units of a given rectangle (including squares) drawn on a grid or by covering the region with square tiles (M-1-E)	72, 124, 145	*90, *132, *150 Activity 3
3	24. Find elapsed time involving hours and minutes, without regrouping, and tell time to the nearest minute (M-1-E) (M-5-E)	18, 65, 78, 89, 112, 152 Months / Days: 26, 27, 84	3, 14, 32, 64, 142 Activity 5 Months / Days: 12, 22, 38, 54, 88
6, 7	25. Select and use the appropriate standard units of measure, abbreviations, and tools to measure length and perimeter (i.e., in., cm, ft., yd., m), area (square inch, square centimeter), capacity (i.e., cup, pint, quart, gallon, liter), and weight/mass (i.e., oz., lb., g, kg, ton) (M-2-E)	50, 56, 62, 63, 74, 83, 86, 108, 116, 121	29, 145, 150, 155 Activity 7
3, 7	26. Order a set of measures within the same system (M-3-E)	63, 74, *83, 121, 125, 129	
7	27. Compare U.S. and metric measurements using approximate reference points without using conversions (e.g., a meter is longer than a yard) (M-3-E) (M-4-E)	32, 50, 62, 63, 83, 116, 124, 125, 129	
7	28. Estimate length, weight/mass, and capacity (M-3-E)	*50, 56, 62, 108, 121, 125, 145	29, 150 Activity 3 (Square units)

*Gives opportunity to teach specific State Standard

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GEOMETRY			
6	29. Classify and describe 2- and 3-dimensional objects according to given attributes (triangle vs. quadrilateral, parallelogram vs. prism) (G-2-E) (G-1-E) (G-4-E)	8, 41, 69, 77, *86, 106, 119, 120, 135, 139, 141, 145	4, 17, 41, 46, 50, 58, 60, 72, 76, 78, 86, 87, 90, 104, 111, 115, 126, 132, 136, 145, 147, 150, 151 Activity 2, 12
6	30. Apply concepts of congruence, similarity, and symmetry in real-life situations (G-2-E)	41, 55, *69, 120, 139	41, 46, 72, 76, 86, *126
6	31. Draw or reconstruct figures from visual memory or verbal descriptions (G-3-E)	8, 77, *86, 119, 137, *141, *145	4, 17, 46, 50, 58, 60, 72, 76, 78, 86, 87, 104, 111, 126, 136, 147, 151
6	32. Recognize and execute specified flips, turns, and slides of geometric figures using manipulatives and correct terminology (including <i>clockwise</i> and <i>counterclockwise</i>) (G-3-E)	120	46, 72 Activity *2
6	33. Construct and draw rectangles (including squares) with given dimensions (e.g., grid paper, square tiles) (G-4-E)	8, 77, *120, 124	4, 17, 60, 86, 87, 90, 104, 111, 126, 136, 147, 151 Activity 2
6	34. Fold a 2-dimensional net into a 3-dimensional object (G-4-E) (G-1-E)	*145	90, 132 Activity 12
6	35. Identify, give properties of, and distinguish among points, lines, line segments, planes, rays, and angles (G-5-E)	56, 108, 119, 128, 129, 138	Activity 4
6	36. Identify and draw segments, rays, and lines that are perpendicular, parallel, and intersecting (G-5-E)	8, 128, 129, 138	Activity 4
6	37. Identify, describe, and draw intersecting, horizontal, vertical, parallel, diagonal, and perpendicular lines, rays, and right angles in the real world (G-5-E) (G-6-E)	8, 10, 11, 25, 128, 129, 138	Activity 4
6	38. Find the length of a path (that does not include diagonals) between two points on a grid (G-6-E)		Activity 4

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ANALYSIS, PROBABILITY, and DISCRETE MATH

1	39. Identify categories and sort objects based on qualitative (categorical) and quantitative (numerical) characteristics (D-1-E)	*20, 30, 35, 80, 126	20, 96, 97 Order / Logic: 8, 14, 27, 32, 42, 47, 51, 53, 59, 61, 66, 67, 74, 80, 84, 88, 98, 108, 113, 118, 120, 131, 133, 135, 146, 148, 153 Activity 1, 6 (Logic), 9, 10, 11
1	40. Read, describe, and organize a two-circle Venn diagram (D-1-E) (D-2-E)		
1	41. Explain the word <i>average</i> and use it appropriately in discussing what is “typical” of a data set (D-1-E)	115, 130 (Guided Practice) Range 85 Ratios: 126, 127	
1	42. Match a data set to a graph, table, or chart and vice versa (D-2-E)	20, *30, 35, 70, 80, 126	23, 97, 143 Activity 10
1	43. Represent and solve problems using data from a variety of sources (e.g., tables, graphs, maps, advertisements) (D-3-E)	10, 20, 25, 35, 70, 80, 126	23, 97, 143 Activity 5, 9, 10
1	44. Discuss chance situations in terms of <i>certain/impossible</i> and <i>equally likely</i> (D-5-E)	5, *30 (Combinations)	
1	45. Use manipulatives to discuss the probability of an event (e.g., number cubes, spinners to determine what is most likely or least likely) (D-5-E)	5, *30	

PATTERNS, RELATIONS, and FUNCTIONS

1	46. Identify and model even and odd numbers with objects, pictures, and words (P-1-E)	31, 46, 123	35, 48, 57, 91
1, 4 5	47. Find patterns to complete tables, state the rule governing the shift between successive terms, and continue the pattern (including growing patterns) (P-1-E) (P-2-E)	2, 4, 6, 13, 37, 38, 48, 49, 53, 77, 80, 97, 104, 113, 130, 155	1, 2, 5, 6, 16, 21, 28, 36, 45, 77, 78 Activity 2