



Louisiana Math Standards /Excel Math Correlation
2nd Grade

| Unit # | LOUISIANA EXPECTATIONS FOR MATH | Excel/ Math Lesson Numbers | Stretch Lesson Numbers Activity Numbers |
|------------------------------------|---|--|---|
| Number and Number Relations | | | |
| 1, 2 4, 8 | 1. Model, read, and write place values for numbers through 999 in word, standard, and expanded form (N-1-E) | 9, 11, 16, 22, 23, 24, 31, 32, 34, 39, 42, 46, 49, 51, 54, 56, 59, 64, 67, 68, 71, 72, 73, 74, 76, 82, 88, 91, 92, 94, 95, 106, 107, 109, 116, 118, 122, 123, 129, 138, 139, 145, 148 | |
| 3, 6 | 2. Model the concepts of thirds, fourths, fifths and sixths using regions, sets, and fraction words (e.g., one-third, three-fourths, five-sixths) (N-1-E) | 63, 77, 80, 111, 120, *126, 150, 155 Addition / Subtraction - fractions: 150 | Activity 2 |
| 1,4 8 | 3. Make reasonable estimates of the number of objects in a collection with fewer than 100 objects (N-2-E) | | Activity 2 Estimates in computation: 22, 26, 31, 33, 38, 39, 46, 51, 56, 60, 68, 70, 82, 95, 99, 100, 101, 110, 115, 118, 124, 125, 128, 130, 131, 136, 142, 143, 147, 151, 154, 155 |
| 3 | 4. Count and write the value of amounts of money up to \$1.00 using ¢ and \$ (N-2-E) (N-6-E) (M-1-E) (M-5-E) | 43, 66, 79, 83, 86, 109, 119, 138, 140, 149 | 108, 117, 123, 126, 132, 140, 146 |
| 1, 2 4, 8 | 5. Read, write, compare, and order whole numbers through 999 using words, number lines, and models (N-3-E) (N-1-E) | 2, 3, 6, 11, 12, 14, 18, 24, 28, 33, 38, 41, 48, 61, 81, 92, 97, 99, 112, 124, 142 Ordinals: 7, 14, 61, 76 | 25, 32, 90, 91, 113, 115, 128, 136, 149, 150, 153 |
| 1 | 6. From a given number, count forward and backward and count to 100 by 2s (N-3-E) (N-1-E) (N-4-E) | 1, 2, 6, 9, 11, 12, 26, 37, 47, 48, 67, 70, 73, 76, 87, 93, 105 | |
| 2 | 7. Know all basic facts for addition and subtraction and use them to solve real-life problems (N-5-E) (N-6-E) (N-7-E) (N-8-E) (N-9-E) | Non real-life: 1, 2, 3, 4, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 23, 24, 26, 31, 32, 34, 41, 42, 43, 44, 46, 48, 49, 51, 53, 56, 59, 61, 62, 64, 67, 68, 69, 70, 76, 77, 79, 81, 82, 83, 84, 87, 90, 92, 98, 99, 101, 102, 103, 106, 107, 108, 109, 111, 112, 114, 116, 119, 126, 131, 133, 137, 140, 142, 146, 148, 151, 152 Real-Life: 27, 28, 36, 52, 57, 58, 66, 104, 125, 138 Multiplication: 108, 121, 124, 125, 131, 132, 133, 134, 137, 139, 140, 141, 142, 144, 146, 147, 148, 149, 151, 152, 154 Division: 113, 114, 115, 127, 128, 136, 137, 147, 152, 153, 154 | 22, 26, 30, 31, 33, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 51, 52, 55, 56, 58, 60, 63, 67, 68, 69, 72, 76, 79, 83, 86, 93, 97, 99, 100, 104, 108, 110, 117, 118, 121, 123, 124, 126, 131, 132, 133, 140, 146, 151, 154 |



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| 2, 4 5, 8 | 8. Recognize, select, connect, and use operations, operational words and symbols (+, -) for addition (join, part/part/whole) or subtraction (take away, comparison, missing addend, and set/subset) situations (N-6-E) (N-5-E) | 1, 6, 11, 27, 57, 66, 79, 104, 105, 109, 111, 113, 114, 115, 117, 125, 127, 128, 136, 141, 153, 154 | 30, 33, 47, 55, 58, 63, 67, 69, 71, 72, 76, 79, 83, 86, 93, 97, 99, 104, 108, 110, 117, 118, 121, 123, 126, 131, 132, 133, 140, 142, 146, 150, 153 |
| 2, 4 5 | 9. Add and subtract 1- and 2-digit numbers (N-6-E) (N-7-E) | 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 31, 32, 34, 36, 38, 39, 41, 42, 43, 44, 46, 48, 49, 51, 52, 53, 54, 56, 57, 58, 59, 61, 62, 64, 66, 67, 68, 69, 71, 72, 73, 76, 77, 79, 81, 82, 84, 86, 88, 90, 92, 94, 97, 101, 102, 103, 104, 106, 107, 109, 111, 112, 114, 116, 118, 122, 129, 131, 133, 137, 138, 139, 140, 142, 145, 146, 147, 148, 151, 152 | 21, 22, 26, 30, 31, 33, 38, 39, 40, 41, 42, 43, 45, 46, 47, 49, 51, 52, 55, 56, 57, 58, 60, 61, 65, 67, 68, 70, 75, 76, 79, 80, 82, 87, 90, 93, 95, 96, 97, 99, 100, 101, 104, 108, 109, 110, 114, 115, 117, 118, 119, 121, 123, 124, 125, 126, 128, 130, 131, 132, 133, 134, 136, 137, 140, 142, 143, 146, 147, 150, 151, 153 |
| 1, 2 4, 8 | 10. Round numbers to the nearest 10 or 100 and identify situations in which rounding is appropriate (N-7-E) (N-9-E) | | Activity *2 |
| 8 | 11. Use the concept of one-to-several correspondence to trade single items for a greater quantity of items with unequal value (1 nickel for 5 pennies, 1 dime for 2 nickels) (N-9-E) | *43, 83, 113, 114, 119, 149 | |
| Algebra | | | |
| 2, 8 | 12. Use number sentences to represent real-life problems involving addition and subtraction (A-1-E) (A-2-E) | Non Real-Life: 1, 6, 9, 11, 20, 21, 22, 23, 42, 48, 56, 91, 102, 103, *104, 147 Real-Life: 27, 28, 36, 38, 52, 57, 58, 66, 81, 95, 117, 125 Multiplication: 108, 125, 141, 152, 153, 154 Division: 115, 127, 128, 136 | 21, 30, 33, 37, 41, 45, 49, 52, 55, 57, 58, 61, 63, 65, 67, 69, 70, 71, 72, 75, 76, 79, 80, 83, 86, 87, 90, 93, 96, 99, 100, 101, 104, 108, 109, 110, 114, 115, 117, 118, 119, 121, 123, 125, 126, 128, 130, 131, 132, 133, 134, 136, 140, 146, 150, 153, 155 |
| 2, 8 | 13. Find the missing number in an equation involving addition or subtraction (e.g., # + 4 = 7, 8 - # = 3) (A-2-E) (N-4-E) | 1, 6, 9, 11, 38, 52, 58, *102, 103, 117 | 21, 22, 26, 31, 33, 38, 39, 41, 42, 45, 46, 47, 51, 52, 56, 57, 60, 61, 65, 68, 70, 75, 80, 87, 90, 95, 96, 97, 100, 101, 109, 114, 119, 124, 125, 128, 130, 134, 137, 143, 147, 151, 155 |



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| Measurement | | | |
| 7 | 14. Measure and appropriately label measures of length and perimeter (i.e., inch, centimeter, foot), capacity (i.e., cup, quart, liter), and weight/mass (i.e., pound, kilogram) (M-1-E) | 53, 55, 84, 85, 132 | Measurement Activity - Dist: 1, 2, 3, 4, 5, 6 |
| 7 | 15. Read a thermometer in degrees Fahrenheit and Celsius and interpret the temperature (M-1-E) | 53 | |
| 3 | 16. Tell time to the nearest 5 minutes, and identify the time one hour before or after a given time (M-1-E) (M-3-E) | 19, 29, 45, 62, 69, 89, 98, 143 Months / Days: 44, 134, 151 | 28 Months: / Days: 40, 49, 104, 133 |
| 7 | 17. Select and use appropriate tools and units to measure length, time, capacity, and weight (e.g., scales for pounds and kilograms; rulers for inches and centimeters; measuring containers for cup, quarts, and liters) (M-2-E) | 19, 29, 45, 53, 55, 58, 60, 65, 84, 85, 89 | 53, 100, 104, 118, 131 Measurement Activity - Vol: 1, 2, 3, 4, 5, 6, 7, 8 Measurement Activity - Wgt : 1, 2, 3, 4, 5, 6, 7 Activity: 7, 9 |
| 7 | 18. Use non-standard units to cover a given region (M-2-E) | Square Units: 90 | Measurement Activity - Vol: 1, 2 Measurement Activity -Wgt: 1, 2 Measurement Activity -Dist: 1, 2 Square Units: 85, 94 |
| 7 | 19. Estimate length in standard units (inch, foot, and centimeter) (M-3-E) | 55, 84, 85 | Measurement Activity – Dist: 1, 2, 3, 4, 5, 6 |
| 7 | 20. Compare units within the same system (inch is shorter than a foot, minute is shorter than an hour, day is shorter than a month, cup holds less than a quart) (M-3-E) | 53, 55, 60, 65 | Activity 9 |
| Geometry | | | |
| 6 | 21. Compare and contrast 3-dimensional shapes (i.e., sphere, cube, cylinder, cone, prism, pyramid) according to their attributes (e.g., number of faces, shape of faces) (G-2-E) | 110 2-dimensional: 8, 78, 90 | Activity 7, 12 2-dimensional: 24, 34, 36, 62, 66, 74, 77, 85, 92, 94, 103, 105, 112, 127, 129, 138, 139, 144 |
| 6 | 22. Identify a reduction or enlargement of a given shape (G-2-E) | 126 | 23, 36, 62, 66, 74, 92, 103, 112, 127, 138, 144 Activity 7, 12, 13 |



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| 6 | 23. Identify congruent 3-dimensional solids in a variety of positions and orientations (G-3-E) (G-4-E) (G-2-E) | 110 2-dimensional: 144 Symmetry: 75 Transformations: 135 | Activity *12 Symmetry: Activity 11 Transformations: 66, 74, 77, 92, 106, 112 |
| 6 | 24. Identify and draw horizontal and vertical line segments (G-5-E) | 75, 84 | *27, *62 |
| Data Analysis, Probability, and Discrete Math | | | |
| | 25. Collect and organize data using observations, surveys, and experiments (D-1-E) | 5, 25, 35, 100 | 55 Measurement Activity – Dist: 1, 2 Activity 1, 4, 5, 6, 10 |
| | 26. Construct and read line plots and tables (D-2-E) | 50, 105 | Activity 1, 5 |
| | 27. Interpret pictographs in which each picture represents more than one object (D-2-E) | *15, 35, 50, 100, 105 | |
| | 28. Generate questions that can be answered by collecting and analyzing data (D-3-E) | *15. 25. 35. 105 | 55 Activity: 1, 4, 5, 6, 10 |
| | 29. Solve logic problems involving two sets by using elementary set logic (i.e., <i>and</i> , <i>or</i> , and <i>is/is not</i> statements) (D-3-E) | 25, 30, 33, 35, 40, 57, 81, 100, 105, 130 Inside / outside: 10 | 23, 24, 27, 28, 29, 30, 34, 35, 37, 40, 43, 44, 48, 53, 54, 55, 58, 59, 63, 64, 69, 71, 72, 73, 76, 78, 79, 84, 86, 88, 89, 93, 98, 99, 100, 102, 106, 107, 110, 111, 116, 118, 120, 121, 122, 126, 135, 141, 145, 148, 154 Possibilities: 33, 50, 81 |
| Patterns, Relations, and Functions | | | |
| | 30. Recognize, extend, create, and explain patterns of addition and subtraction as represented in charts and tables and in varied forms of skip-counting (P-1-E) (P-2-E) | 1, 2, 37, 47, 61, 70, 73, 87, 93, 99, 111, 121, 142 | 42, 47, 97, 152 |
| | 31. Recognize, extend, create, and explain patterns that involve simple rotations or size changes with geometric objects (P-1-E) (P-2-E) | 96, 101 | 21, 96 |
| | 32. Recognize and apply patterns in problem-solving in other content areas and real-life situations (P-3-E) (N-9-E) | 40 | 36, 44, 48, 54, 59, 71 Activity 6, 10 |

* Gives opportunity to teach specific standard