Michigan 1st Grade Standards / *Excel* Math Correlation

Standards / Objectives	*Excel* Math Lesson Numbers	Activity Numbers
STRAND 1 NUMBER AND OPERATIONS		
Count, write, and order numbers		
N.ME.01.01 Count to 110 by 1's, 2's, 5's, and 10's, starting from any number in the sequence; count to 500 by 100's and 10's; use ordinals to identify position in a sequence, e.g., 1st, 2nd, 3rd.	1, 2, 3, 4, 5, 6, 7, 10, 11, 13, 16, 17, 19, 21, 24, 28, 33, 34, 40, 42, 59, 61, 63, 69, 72, 74, 82, 90, 102, 112, 113, 124, 130, 131, 132, 133, 144	2, 4, 47, 82 Exercise 1, 6, 10
N.ME.01.02 Read and write numbers to 110 and relate them to the quantities they represent.	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 34, 35, 36, 37, 39, 40, 44, 45, 46, 47, 49, 51, 52, 54, 57, 60, 62, 63, 64, 67, 69, 70, 72, 82, 93, 94, 98, 109, 113, 118 Fractions 107, 108, 119, 128, 148, 155	3, 4, 46, 82, 114, 132 Fractions 134 Exercise 1, 2, 6, 10
N.ME.01.03 Order numbers to 110; compare using phrases such as "same as", "more than", "greater than", "fewer than"; use = symbol. Arrange small sets of numbers in increasing or decreasing order, e.g., write the following from smallest to largest: 21, 16, 35, 8.	5, 7, 10, 11, 12, 17, 19, 34, 36, 40, 52, 53, 80, 81, 89, 91, 117, 121 Events 107, 143	11, 12, 67, 92, 106 Objects 16, 17, 34, 37, 89, 93, 104, 113, 137, 147 Events 44, 76, 108, 139, 146, 149, Exercise 11
N.ME.01.04 Identify one more than, one less than, 10 more than, and 10 less than for any number up to 100.	16, 21, 24, 28, 33, 34, 80, 81, 126, 129	131
N.ME.01.05 Understand that a number to the right of another number on the number line is bigger and that a number to the left is smaller.	*78, *79, *92, *146 No number line 5, 10, 16, 17, 19, 36, 40, 102, 112, 144	Exercise *10
N.ME.01.06 Count backward by 1's starting from any number between 1 and 100.	10, 13, 16, 17, 21, 24, 36, 42	
Explore place value		
N.ME.01.07 Compose and decompose numbers through 30, including using bundles of tens and units, e.g., recognize 24 as 2 tens and 4 ones, 10 and 10 and 4, 20 and 4, and 24 ones.	61, 63, 69, 72, 74, 82, 86, 93, 94, 96, 97, 109, 110, 111, 113, 130, 146, 147	33, 106, 127

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Add and subtract whole numbers		
N.ME.01.08 List number facts (partners inside of numbers) for 2 through 10, e.g., 8 = 7 + 1 = 6 + 2 = 5 + 3 = 4 + 4; 10 = 8 + 2 = 2 + 8.	38, 39, *41, *43, 54, 57, 70, 71, 72, 84, 88, 93, 106, 116, 127	73, 123
N.MR.01.09 Compare two or more sets in terms of the difference in number of elements.	7, 11, 12, 28, 34	
N.MR.01.10 Model addition and subtraction for numbers through 30 for a given contextual situation using objects or pictures; explain in words; record using numbers and symbols; solve.	14, 18, 22, 29, 30, 31, 35, 37, 41, 44, 45, 54, 57, 66, 67, 70, 74, 78, 79, 88, 92, 117, 139, 141, 146, 147 Fractions 155	127
N.MR.01.11 Understand the inverse relationship between addition and subtraction, e.g., subtraction "undoes" addition: if 3 + 5 = 8, we know that 8 - 3 = 5 and 8 - 5 = 3; recognize that some problems involving combining, "taking away," or comparing can be solved by either operation.	*60, 71, 72, 88, 93, 106, 116	
N.FL.01.12 Know all the addition facts up to 10 + 10, and solve the related subtraction problems fluently.	14, 15, 18, 22, 30, 31, 33, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 48, 49, 53, 56, 57, 58, 60, 61, 63, 66, 68, 70, 71, 78, 81, 83, 84, 86, 88, 91, 93, 96, 97, 98, 103, 106, 109, 110, 113, 116, 118, 126, 128, 133, 141, 143, 146, 149	18, 27, 31, 58, 123
N.MR.01.13 Apply knowledge of fact families to solve simple open sentences for addition and subtraction, such as: ■ + 2 = 7 and 10 - ■ = 6.	38, 39, 60, 66, 67, 71, 72, 78, 79, 85, 89, 92, 100, 101, 103, 104, 117, 122, 123, 127, 136, 137, 141, 147	73, 117, 118, 127
N.FL.01.14 Add three one-digit numbers.	32, 64, 142, 149 Four one-digit 99, 114	
N.FL.01.15 Calculate mentally sums and differences involving: a two-digit number and a one-digit number without regrouping; a two-digit number and a multiple of 10.	48, 49, 54, 58, 70, 74, 88, 93, 96, 97, 106, 110, 111, 116, 122, 123, 129, 136, 137, 146, 147	27, 111, 127 Exercise 8
N.FL.01.16 Compute sums and differences through 30 using number facts and strategies, but no formal algorithm.	23, 29, 51, 68, 85, 100, 101, 138, 139, 152	18, 27, 31, 62, 69, 117, 118, 123, 144

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STRAND 3 MEASUREMENT		
Estimate and measure length		
M.UN.01.01 Measure the lengths of objects in non-standard units, e.g., pencil lengths, shoe lengths, to the nearest whole unit.	50, 56, 83, 134 Weight, Volume, Temperature 87	13, 24, 32, 91 Exercise 5 Weight 14, 39, 43, 53, 63, 136 Capacity 21, 41, 48 Temperature 42 Volume 52, 71
M.UN.01.02 Compare measured lengths using the words shorter, shortest, longer, longest, taller, tallest, etc.	50, 56, 83, 134	13, 24, 32, 91 Exercise 5 Weight 14, 39, 43, 53, 63, 136 Capacity 21, 41, 48 Temperature 42 Volume 52, 71
Tell time		
M.UN.01.03 Tell time on a twelve-hour clock face to the hour and half-hour.	26, 27, 62, 138, 143, 152 Days of the Week 76, 95	138, 143 Exercise 9 (Days), 10
Work with money		
M.UN.01.04 Identify the different denominations of coins and bills.	23, 29, 51, 68, 139, 154	68, 81, 84, 128 Exercise 10
M.UN.01.05 Match one coin or bill of one denomination to an equivalent set of coins/bills of other denominations, e.g., 1 quarter = 2 dimes and 1 nickel.	29, 139	68, 84, 128
M.UN.01.06 Tell the amount of money: in cents up to $1, in dollars up to $100. Use the symbols $ and ¢.	23, 29, 51, 139	68, 84, 144 Exercise 10
M.PS.01.07 Add and subtract money in dollars only or in cents only.	29, 51, 139	128, 144
Solve problems		
M.PS.01.08 Solve one-step word problems using addition and subtraction of length, money and time, including "how much more/less", without mixing units.	45, 57, 66, 67, 77, 85, 100, 101, 131	62, 92, *46, *149, 151 Exercise *11

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STRAND 4 GEOMETRY		
Create and describe shapes		
G.GS.01.01 Create common two-dimensional and three-dimensional shapes, and describe their physical and geometric attributes, such as color and shape.	8, 9, 25, 65, 75, 125, 128, 135, 140, 148, 150, 151, 153	7, 19, 25, 49, 57, 59, 61, 64, 86, 88, 97, 101, 103, 107, 109, 112, 119, 121, 122, 124, 126, 129, 133, 148, 152, 153, 154 Exercise 3, 4, 7
G.LO.01.02 Describe relative position of objects on a plane and in space, using words such as above, below, behind, in front of.	20, 25, 125, 140, 145, 153	19, 25, 28, 36, 38, 49, 57, 59, 61, 64, 74, 77, 79, 86, 88, 97, 101, 103, 107, 112, 116, 119, 121, 126, 133, 153 Exercise 3, 4
Create and describe patterns involving geometric objects		
G.SR.01.03 Create and describe patterns, such as repeating patterns and growing patterns using number, shape, and size.	17, 19, 25, 36, 90, 102, 112, 124, 133, 144	6, 8, 9, 19, 22, 23, 51, 56, 59, 78, 86, 87, 98, 109, 119, 154
G.SR.01.04 Distinguish between repeating and growing patterns.	17, 19, 25, 36, 90, 102, 112, 124, 133, 144	6, 8, 9, 19, 22, 23, 51, 56, 78, 87, 98, 154
G.SR.01.05 Predict the next element in a simple repeating pattern.	17, 19, 25, 36, 90, 102, 112, 124, 133, 144	6, 8, 9, 19, 22, 23, 51, 56, 78, 87, 98, 154
G.SR.01.06 Describe ways to get to the next element in simple repeating patterns.	17, 19, 25, 36, 90, 102, 112, 124, 133, 144	6, 8, 9, 19, 22, 23, 51, 56, 78, 87, 98, 154
STRAND 5 DATA AND PROBABILITY		
Use pictographs		
D.RE.01.01 Collect and organize data to use in pictographs.	73, 105, 120	13, 14, 32, 53, 54, 66, 67, 72, 94, 96, 99, 102, 134, 136, 142 Exercise 12
D.RE.01.02 Read and interpret pictographs.	55, 73, 105, 115, 120	13, 14, 32, 53, 54, 66, 67, 72, 94, 96, 99, 102, 108, 134, 136, 142 Exercise 12
D.RE.01.03 Make pictographs of given data using both horizontal and vertical forms of graphs; scale should be in units of one and include symbolic representations, e.g., ☺represents one child.	*73, 105, *115, 120	13, 14, 32, 53, 54, 66, 67, 72, 76, 94, *99, 108, 134, 136, 141, 142 Exercise 12

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