



Idaho 4th Grade Standards / *Excel* Math Correlation

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
STANDARD 1		
NUMBER and OPERATION		
Goal 1.1: Understand and use numbers.		
4.M.1.1.1 Read, write, compare, and order whole numbers to 100,000.	1, 3, 7, 8, 17, 22, 46, 50, 61, 102, 126, 133, 135 (Prime numbers)	63, 68, 90, 92, 102, 105, 113, 122, 153
4.M.1.1.2 Identify and apply place value in whole numbers	1, 2, 3, 32, 47, 50, 52, 53, 62, 69, 102, 126 Decimals: 85, 131	
4.M.1.1.3 Count the value of a collection of bills and coins up to \$100.00.	9, 11, *12, 16, 26	*28, 30, 47, 146
4.M.1.1.4 Read, write, compare, and order commonly used fractions with pictorial representations.	15, 16, 17, 54, 75, 79, 88, 99, 110, 112, 114, 118, 125, 136, 137, 143 Fractions / Decimals: 85, 100, 148 Fractions / Percents: 127, 128	
4.M.1.1.5 Use decimal numbers with money.	11, 12, 16, 26, 55, 61, 107, 116, 109, 139	30, 83, 91, 101, 103, 111, 146
4.M.1.1.6 Select strategies appropriate for solving a problem.	1, 4, 6, 9, 10, 18, 19, 21, 23, 26, 31, 33, 36, 41, 48, 56, 69, 72, 73, 77, 90, 92, 104, 109, 111, 121, 122, 123, 129, 139, 143 Fact Families: 21, 24, 49, 87 Prime numbers: 94, 135 Factors: 93, 106 Multiples: 51, 89, 91	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 48, 50, 51, 52, 54, 55, 56, 57, 59, 61, 62, 63, 64, 67, 68, 70, 71, 72, 73, 74, 75, 76, 79, 80, 81, 83, 84, 86, 87, 88, 89, 90, 91, 92, 93, 95, 96, 97, 98, 99, 101, 102, 103, 104, 105, 106, 108, 109, 111, 112, 113, 114, 115, 116, 117, 118, 120, 121, 122, 126, 127, 130, 132, 133, 134, 136, 138, 139, 142, 144, 145, 146, 147, 148, 149, 151, 152, 153, 154, 155
4.M.1.1.7 Use appropriate vocabulary.	1, 8, 9, 15, 16, , 46, 81, 69, 75, 88, 107, 109, 126, 133, 136, 137, 139	28, 63, 90, 92, 102, 105, 113, 122

*Gives opportunity to teach specific State Standard



Idaho 4th Grade Standards / *Excel Math* Correlation

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Goal 1.2: Perform computations accurately.		
4.M.1.2.1 Recall multiplication facts through 10 x 10.	12, 13, 14, 17, 18, 19, 21, 22, 23, 24, 31, 36, 46, 47, 48, 49, 51, 52, 53, 56, 59, 61, 62, 64, 71, 73, 76, 77, 78, 81, 84, 87, 91, 93, 98, 102, 103, 129, 131, 132, 137, 141	16
4.M.1.2.2 Add and subtract whole numbers.	1, 2, 3, 6, 7, 8, 9, 11, 13, 14, 16, 22, 24, 26, 31, 35, 36, 41, 45, 49, 65, 69, 72, 74, 108, 111, 121, 122, 126, 129, 134, 152 Decimals: 86, 104 Fact Families: 13	3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 25, 26, 27, 28, 29, 31, 33, 35, 38, 39, 41, 43, 45, 47, 48, 52, 56, 59, 62, 67, 69, 72, 75, 80, 87, 89, 90, 91, 92, 93, 95, 99, 102, 105, 106, 113, 116, 122, 126, 130, 132, 136, 138, 142
4.M.1.2.3 Multiply up to two-digit by two-digit whole numbers and divide whole numbers by one-digit divisors.	12, 13, 14, 16, 17, 19, 21, 22, 23, 24, 26, 27, 28, 29, 31, 32, 33, 34, 36, 42, 43, 46, 47, 48, 49, 51, 52, 53, 54, 56, 59, 61, 62, 64, 66, 70, 71, 73, 74, 76, 77, 78, 79, 81, 82, 83, 84, 87, 89, 91, 92, 93, 94, 96, 98, 101, 102, 103, 108, 112, 114, 115, 116, 117, 122, 124, 129, 131, 132, 136, 137, 138, 139, 141, 142, 146, 151, 153, 154	14, 15, 16, 19, 27, 29, 31, 39, 41, 45, 55, 56, 59, 67, 69, 70, 75, 80, 86, 89, 93, 96, 99, 104, 109, 117, 118, 121, 125, 132, 142, 153, 155
4.M.1.2.4 Add and subtract fractions with like denominators that do not require simplification.	67, 76, 81 Multiply fractions: 153, 154	
4.M.1.2.5 Add and subtract decimals using money.	11, 12, 26, 86, 104 Multiply / Divide Decimals: 12, 61, 107, 109, 110, 139, 141, 142	20, 28, 30, 83, 91, 101, 103, 111, 114, 146
4.M.1.2.6 Select and use an appropriate method of computation from mental math, paper and pencil, calculator, or a combination of the three.	1, 2, 9, 12, 17, 21, 22, 23, 26, 27, 28, 31, 32, 33, 36, 42, 43, 46, 48, 49, 52, 53, 54, 56, 59, 61, 62, 63, 68, 72, 73, 74, 81, 82, 83, 84, 86, 87, 89, 90, 126, 129, 131	3, 5, 7, 8, 10, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 25, 26, 27, 28, 29, 33, 35, 38, 41, 43, 47, 48, 55, 59, 62, 70, 72, 83, 86, 87, 91, 92, 95, 96, 99, 101, 103, 105, 106, 111, 113, 115, 116, 117, 118, 121, 122, 126, 130, 132, 134, 136, 138, 142, 147, 148, 153, 155
4.M.1.2.7 Select and use appropriate operations to solve word problems and show or explain work.	1, 4, 6, 9, 10, 18, 19, 21, 23, 26, 31, 33, 36, 41, 48, 56, 69, 72, 73, 77, 90, 92, 104, 109, 111, 121, 122, 123, 129, 139, 143	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 48, 50, 51, 52, 54, 55, 56, 57, 59, 61, 62, 63, 64, 67, 68, 70, 71, 72, 73, 74, 75, 76, 79, 80, 81, 83, 84, 86, 87, 88, 89, 90, 91, 92, 93, 95, 97, 98, 99, 101, 102, 103, 104, 105, 106, 108, 109, 111, 112, 113, 114, 115, 116, 117, 118, 120, 121, 122, 126, 127, 130, 132, 133, 134, 136, 138, 139, 142, 144, 145, 146, 147, 148, 149, 151, 152, 153, 154, 155

*Gives opportunity to teach specific State Standard



Idaho 4th Grade Standards / *Excel Math* Correlation

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
4.M.1.2.8 Use appropriate vocabulary.	1, 2, 3, 6, 9, 12, 17, 21, 24, 27, 28, 31, 32, 33, 36, 42, 43, 46, 48, 49, 52, 53, 54, 56, 59, 61, 67, 72, 73, 79, 81, 87, 90, 126, 131	3, 5, 7, 8, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 27, 28, 29, 33, 38, 41, 59, 70, 72, 86, 87, 91, 92, 95, 96, 99, 101, 103, 105, 111, 115, 116, 117, 118, 121, 122, 126, 130, 132, 138, 147, 153
Goal 1.3: Estimate and judge reasonableness of results.		
4.M.1.3.1 Estimate to predict computation results.	22, 26, 45, 55, 69, 104, 129, 131	3, 5, 6, 7, 8, 9, 11, 13, 14, 15, 17, 19, 22, 23, 26, 27, 29, 31, 39, 41, 45, 52, 55, 56, 67, 71, 75, 80, 87, 89, 90, 91, 92, 93, 95, 96, 99, 102, 104, 105, 109, 113, 116, 122, 132, 133, 134
4.M.1.3.2 Use estimation to evaluate the reasonableness of an answer.	22, 26, 45, 55, 69, 104, 129, 131	3, 5, 6, 7, 8, 9, 11, 13, 14, 15, 17, 19, 22, 23, 26, 27, 29, 31, 39, 41, 45, 52, 55, 56, 67, 71, 75, 80, 87, 89, 90, 91, 92, 93, 95, 96, 99, 102, 104, 105, 109, 113, 116, 122, 132, 133, 134
4.M.1.3.3 Investigate the use of a four-function calculator to solve complex grade-level problems.	23, 28, 42, 43, 48, 52, 53	3, 5, 6, 7, 8, 10, 11, 12, 13, 17, 18, 21, 43, 67, 90, 91, 96, 105, 118, 121
4.M.1.3.4 Use appropriate vocabulary.	22, 26, 45, 55, 69, 104, 129, 131	3, 5, 6, 7, 8, 9, 11, 13, 14, 15, 17, 19, 22, 23, 26, 27, 29, 31, 39, 41, 45, 52, 55, 56, 67, 71, 75, 80, 87, 89, 90, 91, 92, 93, 95, 96, 99, 102, 104, 105, 109, 113, 116, 122, 132, 133, 134

*Gives opportunity to teach specific State Standard



Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<h2>STANDARD 2</h2> <h3>CONCEPTS and PRINCIPLES of MEASUREMENT</h3>		
Goal 2.1: Understand and use U.S. customary and metric measurements.		
4.M.2.1.1 Select and use appropriate units and tools to make the formal measurements of length, temperature, and weight in both systems.	29, 30, 37, 70, 121	23, 49, 76, 118, 125, 134 Activity 3, 4
4.M.2.1.2 Estimate length, time, weight, and temperature in real-world problems using standard units.	29, 37, 63, 64, 121	23, 49, 76, 118, 125, 134, 135, 137, 139, 144, 149
4.M.2.1.3 Tell time to the nearest minute using digital and analog clocks.	18	
4.M.2.1.4 Solve real-world problems related to elapsed time.	18, 19, 57, 92, 111, 124	1, 10, 148
4.M.2.1.5 Convert units of length and time within the U. S. Customary system.	*19, 29, 30, 37, 63, *64, 73, 87, 92, 123	118, 125
4.M.2.1.6 State that there are 365 days in a year and 52 weeks in a year.	*19, 124	
4.M.2.1.7 Recall length and volume (capacity) equivalences involving inches, feet, yards, cups, pints, quarts, and gallons in the U.S. Customary system.	*29, 37, 63, 73, 87, 92, 105, 121, 123	
4.M.2.1.8 Use appropriate vocabulary.	18, 19, 29,30, 37, 57, 63, 70, 73, 87, 92, 105, 111, 121, 123	23, 49, 76, 125, 135, 137, 148

*Gives opportunity to teach specific State Standard

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
STANDARD 3		
CONCEPTS and LANGUAGE of ALGEBRA and FUNCTIONS		
Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.		
4.M.3.1.1 Write a division problem using a bracket (÷) and/or the division symbol (÷).	21, *72, 92, 109, 110, 115, 134, 148	14, 39, 69, 75, 89, 99, 104, 109, 117, 121, 153 Activity 5, 9, 10
4.M.3.1.2 Write a number sentence using simple geometric shapes or letters of the alphabet as symbols to represent an unknown number.	14, 34, 87, 134, 152	9, 15, 19, 20, 28, 39, 45, 52, 56, 67, 69, 75, 80, 89, 93, 96, 99, 104, 109, 132, 142, 143 Activity 5, 9, 10
4.M.3.1.3 Show the relationship between multiplication and division using fact families.	21, 24, 49, 73, 87 Inverse: 27, 28, 42, 43, 52, 53, 59, 61, 82, 83, 89, 109, 115, 138, 151	
4.M.3.1.4 Read and use symbols of “<,” “>,” and “=” to express relationships with numbers through 1,000,000.	8, 24, 34, 35, 72, 74, 87, 92, 100, 108, 109, 115, 133, 134, 137, 148, 152, 153, 154, 155	3, 6, 10, 13, 17, 18, 21, 25, 43, 48, 59, 67, 87, 89, 96, 114, 117, 121, 126, 128, 129, 130, 132, 147, 153, 155
Goal 3.2 Evaluate algebraic expressions.		
4.M.3.2.1 Use the identity and zero properties of multiplication.	32, 47, *87, 90, 146 Commutative: 72 Associative: 108	67
Goal 3.3 Solve algebraic equations and inequalities.		
4.M.3.3.1 Solve missing factor equations.	14, 34, 87, 134, 152 Addends: 14, *35	19, 31, 45, 56, 80, 89, 93, 99, 104, 109 Addends: 9, 39, 52, 75 Activity 5, 9, 10
Goal 3.4: Understand the concept of functions.		
4.M.3.4.1 Identify the rule (function) for a pattern using whole numbers and addition and then extend the pattern.	6, 8, 23, 25, 48, 56, 58, 101, 103, 113, 117, 126, 152	8, 12, 16, 17, 21, 35, 48, 60, 62, 63, 68, 77, 79, 106, 116, 124, 130, 136, 138 Order: 1, 2, 54, 61, 72
4.M.3.4.2 Use appropriate vocabulary.	6, 8, 23, 25, 48, 56, 58, 101, 103, 113, 117, 126, 152	8, 12, 16, 21, 35, 60, 62, 77, 106, 116, 124, 130, 136, 138. Order: 1, 2, 54, 61, 72



Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
STANDARD 4 CONCEPTS and PRINCIPLES of GEOMETRY		
Goal 4.1: Apply concepts of size, shape, and spatial relationships.		
4.M.4.1.1 Identify, compare, and analyze attributes of two- and three-dimensional shapes, including parallel, intersecting, and perpendicular lines, and develop vocabulary to describe the attributes.	15, 38, 39, 40, 44, 58, 60, 64, 71, 95, 98, 105, 120, 144, 147	4, 24, 32, 36, 44, 53, 58, 65, 66, 78, 82, 94, 100, 107, 110, 119, 123, 125, 131, 150
4.M.4.1.2 Predict the results of sliding and flipping two-dimensional shapes.	60	36, 53, 141 Transformations: 4, 44, 58, 66, 78, 82, 100, 107, 123, 131
4.M.4.1.3 Identify multiple lines of symmetry in two-dimensional shapes.	30	
4.M.4.1.4 Discuss perimeters of polygons, and areas and perimeters of rectangles and squares, using concrete objects.	64, 68, (71 circles), 96, 120, 149, 155 Volume: 105 Cubic units: 95	118, 125, 135, 137, 150 Activity 11, 12 Area of triangle: 150
4.M.4.1.5 Use appropriate vocabulary.	15, 30, 38, 39, 44, 58, 60, 68, 71, 95, 144, 147, 149 Parallel, perpendicular, intersecting lines: 38, 39 Coordinates: 97, 120, 130, 140	24, 94, 110, 131, 150 Activity 11, 12
Goal 4.3: Apply graphing in two dimensions.		
4.M.4.3.1 Use ordered pairs to identify the position of a point in the first quadrant on a coordinate grid.	65, 97, 120, 130, 140	

*Gives opportunity to teach specific State Standard



Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
STANDARD 5		
DATA ANALYSIS, PROBABILITY, and STATISTICS		
Goal 5.1: Understand data analysis.		
4.M.5.1.1 Read and interpret simple tables, charts, bar graphs, and line graphs.	20, 25, 56, 80, 119, 152 Intersection of sets: 44	10, 18, 97, 145, 151 Activity 1, 2, 3, 4, 5
4.M.5.1.2 Use appropriate vocabulary.	20, 25, 56, 80, 119, 152 Intersection of sets: 44	10, 18, 97, 145, 151 Activity 1, 2, 3, 4, 5
Goal 5.2: Collect, organize, and display data.		
4.M.5.2.1 Collect, organize, and display data in tables and charts to answer a question.	5, 44	1, 2, 10, 18, 86, 97, 112, *145, *151 Activity 1, 2, 3, 4, 5
4.M.5.2.2 Display data in a bar graph using appropriate notation such as a title, axes labels, and reasonable scales.	5, 44	1, 2, 10, 18, 86, 97, 112, *145, *151 Activity 1, 2, 3, 4, 5
Goal 5.3: Apply simple statistical measurements.		
4.M.5.3.1 Find the mode of a simple set of whole number data.	150 Averages: 122, 123 Range: 45	*145, *151
Goal 5.4: Understand basic concepts of probability.		
4.M.5.4.1 Predict the results of simple probability experiments using coins or spinners (e.g., 3 out of 6 choices).	5	Possibilities: Stretch 85 Activity 1, 2, 6, 7
Goal 5.5: Make predictions or decisions based on data.		
4.M.5.5.1 Make predictions based on data.	5	Possibilities: Activity 1, Stretch 85 Activity 1, 2, 6, 7

*Gives opportunity to teach specific State Standard