



Idaho 5th Grade Standards / *Excel Math* Correlation

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<h1 style="margin: 0;">STANDARD 1</h1> <h2 style="margin: 0;">NUMBER and OPERATION</h2>		
Goal 1.1: Understand and use numbers.		
Objective 1: 5.M.1.1.1 Read, write, compare, and order whole numbers through millions and decimal numbers through thousandths	1, 3, 6, 7, 80, *82, 87, 89, 98, 100, 108, 111, 148 Rounding: 41, 121	3, 8, 12, 66, 69, 82, 84, 91, 92, 97, 103, 116, 118, 144
Objective 2: 5.M.1.1.2 Identify and apply place value in whole numbers and decimal numbers to thousandths.	1, 2, 3, 7, 12, 21, 22, 24, 26, 27, 33, 34, 41, 47, 65, 80, 81, 121, 149	
Objective 3: 5.M.1.1.3 Count back change from \$10.00.	9, *11, *92, *149	*20, 64, *79, *80, *89, 119, *121, 129 Activity *7
Objective 4 5.M.1.1.4 Compare and order commonly used fractions and their equivalents.	31, 39, 43, 59, 68, 76, 78, 105, 106, 127, 148 Reciprocals: 118	
Objective 5 5.M.1.1.5 Identify decimal equivalents of commonly used fractions.	31, 65, 83, 85, 112, 113, 125, 136, 142, 149 Percents: 83, 109, 112, 116, 117, 125, 130	Activity 14
Objective 6 5.M.1.1.6 Apply the number theory concepts of primes, composites, multiples, and factors.	*12, *13, 28, 29, 38, 49, 59, 61, 62, 88, 91, 93, 119	95, 98, 102, 149
Objective 7 5.M.1.1.7 Select strategies appropriate for solving a problem.	1, 2, 4, 8, 9, 10, 12, 14, 22, 24, 29, 32, 41, 44, 47, 51, 55, 58, 79, 82, 87, 89, 97, 109, 149	5, 8, 21, 29, 31, 32, 33, 36, 41, 52, 58, 61, 64, 66, 67, 72, 79, 80, 81, 87, 89, 92, 96, 98, 107, 110, 111, 115, 116, 118, 119, 121, 124, 125, 126, 133, 145, 146, 148, 154 Deductive Reasoning: 6, 14, 16, 17, 19, 23, 26, 27, 28, 29, 30, 33, 35, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 57, 61, 62, 64, 68, 74, 75, 77, 83, 86, 90, 94, 95, 101, 102, 108, 114, 117, 135, 148, 153 Activity 1, 2, 3, 4



Idaho 5th Grade Standards / *Excel Math* Correlation

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Objective 8 5.M.1.1.8 Use appropriate vocabulary.	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 21, 22, 24, 26, 27, 28, 29, 31, 32, 33, 34, 39, 41, 44, 47, 55, 59, 65, 68, 79, 82, 85, 87, 97, 109, 136, 149	8, 29, 31, 81, 148
Goal 1.2: Perform computations accurately.		
Objective 1 5.M.1.2.1 Recall basic multiplication and division facts up to 10's.	Multiplication / Division: 12, 13, 28, 36, 49, 55, 63, 74, 97, 131 Addition / Subtraction: 2, 3, 6, 7, 8, 11	110
Objective 2 5.M.1.2.2 Add and subtract decimal numbers through thousandths.	*9, 11, 12, 66, 82, 92 Multiplication / Division: 41, 47, 79, 81, 94, 100, 107, 116, 120, 131, 132, 147 Positive / Negative Numbers: 150, 151, 154, 155	20, 64, 79, 80, 89, 119, 121, 129
Objective 3 5.M.1.2.3 Multiply and divide whole numbers	12, 14, 16, 18, 19, 21, 22, 24, 26, 28, 29, 32, 33, 34, 36, 38, 46, 47, 49, 51, 55, 58, 63, 71, 73, 86, 94, 97, 101, 102, 103, 106, 104, 111, 119, 121, 128, 131, 139, 141, 146 Exponents: 138	8, 21, 41, 44, 52, 70, 81, 87, 98, 106, 110, 113, 122, 125, 127, 130, 146, 147, 155 Addition / Subtraction: 1, 2, 3, 4, 5, 9, 12, 13, 18, 31, 36, 58, 69, 71, 84, 92, 96, 103, 105, 107, 111, 116, 120, 124, 129, 141, 145
Objective 4 5.M.1.2.4 Add and subtract fractions with like denominators without simplification.	15, 23, 50, 69, 77, 99, 122 Multiplication / Division: 59, 109, 110, 126, 129, 133, 153	132 Multiplication / Division: 126
Objective 5 5.M.1.2.5 Evaluate numerical expressions that include parentheses.	18, 96, 108	52, 81, 110, 120, 122, 127, 129, 130, 140 147, 155
Objective 6 5.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, 14, 15, 16, 18, 19, 21, 22, 24, 26, 27, 29, 32, 33, 34, 36, 41, 46, 47, 55, 58, 68, 73, 74, 77, 79, 82, 97, 102, 103, 109, 116, 133, 142, 149	2, 3, 4, 5, 8, 10, 11, 12, 14, 17, 19, 21, 24, 27, 29, 30, 31, 33, 35, 36, 37, 38, 41, 42, 44, 47, 52, 55, 58, 59, 61, 64, 67, 69, 71, 79, 80, 81, 87, 89, 92, 96, 98, 99, 102, 103, 106, 107, 110, 111, 113, 114, 119, 120, 121, 122, 124, 125, 126, 127, 129, 130, 133, 137, 145, 146, 148, 151, 152, 154



Idaho 5th Grade Standards / Excel Math Correlation

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
Objective 7 5.M.1.2.7 Use a variety of strategies to solve real life problems.	1, 4, 9, 10, 15, 16, 29, 32, 44, 51, 55, 57, 58, 69, 73, 74, 79, 82, 89, 92, 97, 102, 103, 109, 116, 130, 133, 142, 149	5, 6, 7, 9, 10, 11, 14, 16, 17, 19, 23, 24, 26, 27, 29, 30, 31, 33, 35, 36, 37, 38, 42, 44, 47, 54, 55, 59, 61, 64, 69, 79, 80, 89, 96, 98, 99, 102, 105, 106, 111, 114, 115, 119, 120, 121, 122, 124, 125, 126, 127, 129, 130, 133, 137, 148, 149, 150, 151, 152, 154
Objective 8 5.M.1.2.8 Use appropriate vocabulary	1, 2, 4, 9, 10, 11, 12, 14, 15, 16, 44, 51, 55, 58, 68, 69, 73, 74, 79, 82, 89, 92, 97, 109, 116, 130, 133, 142, 149	3, 4, 5, 6, 7, 9, 10, 11, 14, 16, 17, 19, 24, 27, 29, 30, 31, 33, 36, 42, 44, 47, 52, 58, 59, 64, 69, 89, 98, 99, 125, 148
Goal 1.3: Estimate and judge reasonableness of results.		
Objective 1: 5.M.1.3.1 Estimate to predict computation results.	25, 41, 70, 81, 82, 92	Trial & Error: 2, 3, 4, 12, 14, 20, 21, 29, 32, 41, 52, 55, 58, 59, 67, 69, 70, 71, 79, 80, 81, 84, 87, 89, 92, 103, 107, 113, 114, 116, 124, 145, 146, 155 Activity 7
Objective 2: 5.M.1.3.2 Identify when an estimate is sufficient or when an exact answer is required	25, 41, 70, 81, 82, 92	Trial & Error: 2, 3, 4, 12, 14, 20, 21, 29, 32, 41, 52, 55, 58, 59, 67, 69, 70, 71, 79, 80, 81, 84, 87, 89, 92, 103, 107, 113, 114, 116, 124, 145, 146, 155 Activity 7
Objective 3: 5.M.1.3.3 Explain why a given estimate is an overestimate or underestimate.	25, 41, 70, 81, 82, 92	Trial & Error: 2, 3, 4, 12, 14, 20, 21, 29, 32, 41, 52, 55, 58, 59, 67, 69, 70, 71, 79, 80, 81, 84, 87, 89, 92, 103, 107, 113, 114, 116, 124, 145, 146, 155 Activity 7
Objective 4 5.M.1.3.4 Use a four-function calculator to solve complex grade-level problems	6, 21, 24, *25, 26, 27, 33, 34, *41, *70, *81, *82, *92, 141, 147, *149	155 Activity 5
Objective 5 5.M.1.3.5 Formulate conjectures and discuss why they must be or seem to be true.	25, 41, 70, 81, 82, 92	Trial & Error: 2, 3, 4, 12, 14, 20, 21, 29, 32, 41, 52, 55, 58, 59, 67, 69, 70, 71, 79, 80, 81, 84, 87, 89, 92, 103, 107, 113, 114, 116, 124, 145, 146, 155 Activity 7
Objective 6 5.M.1.3.6 Use appropriate vocabulary.	25, 41, 70, 81, 82, 92	Trial & Error: 2, 3, 4, 12, 14, 20, 21, 29, 32, 41, 52, 55, 58, 59, 67, 69, 70, 71, 79, 80, 81, 84, 87, 89, 92, 103, 107, 113, 114, 116, 124, 145, 146, 155 Activity 7

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

STANDARD 2

CONCEPTS and PRINCIPLES of MEASUREMENT

Goal 2.1: Understand and use U.S. customary and metric measurements.		
Objective 1: 5.M.2.1.1 Select and use appropriate units and tools to make formal measurements of length, temperature, weight, and volume (capacity) in both systems.	17, 48, 72, 74, 84, 89, 114 Circumference: 145	14, 115, 122, 124, 137, 143, 152 Activity 9, 13
Objective 2: 5.M.2.1.2 Estimate length, time, weight, temperature, and volume (capacity) in real-world problems using standard units.	17, 89, 114 Angles: 30	*5, 14, *31, *39, 54, 58, 67, 114, 115, 124, 125, 139, 143, 151, 152 Activity 9, 13 Distance: 148
Objective 3: 5.M.2.1.3 Tell time to the nearest second.	8	
Objective 4: 5.M.2.1.4 Solve real world problems related to elapsed time.	51, 57, 73	5, 54, 125, 151, 154
Objective 5: 5.M.2.1.5 Calculate the perimeter of polygons and the area of rectangles and squares.	54, 56, 63, 95, 134, 137 Triangles: 144 Irregular figures: 152	99, 106, 122, 138, 139, 140, 147 Activity 8, 9
Objective 6: 5.M.2.1.6 Convert units of length within each system.	48, 54, 58, 67, *103, 114	106, 122, 125, 137, 138, 147
Objective 7: 5.M.2.1.7 Convert days into weeks and years and years into decades and centuries.	7, 51	*5, *31, *125 (minutes / hours)
Objective 8: 5.M.2.1.8 Recall length, volume (capacity), and mass equivalences involving millimeters, centimeters, meters, milliliters, liters, grams, and kilograms in the metric system.	17, 48, 54, 67, *103, 114	137, 138, 143 Activity 9, 13
Objective 9: 5.M.2.1.9 Use appropriate vocabulary.	7, 17, 48, 51, 54, 63, 72, 73, 89, 114, 134	5, 31, 99, 106, 122, 125, 138

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

<p align="center">STANDARD 3</p> <p align="center">CONCEPTS and LANGUAGE of ALGEBRA and FUNCTIONS</p>		
Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.		
Objective 1: 5.M.3.1.1 Write a division problem as a proper and an improper fraction.	*44, 59, *68, 77, 135	
Objective 2: 5.M.3.1.2 Translate simple word statements for addition and multiplication into numeric expressions	1, 15, 16, *18, 19, 32, 44, 55, 58, 63, 69, 73, 74, 92, 97, 114, 116, 124, 149 Division: 29, 79	*1, 3, 5, 18, 31, 36, 44, 52, 61, 67, 92, 96, 111, 146
Objective 3: 5.M.3.1.3 Write a fact family when given two factors.	1	
Objective 4 5.M.3.1.4 Read and use symbols of “<,” “>,” and “=” to express relationships.	1, 8, 13, 14, 15, 16, 18, 19, 32, 37, 44, 55, 59, 74, 77, 79, 82, 85, 89, 105, 124, 149	2, 3, 4, 5, 18, 31, 41, 81, 87, 108, 109
Goal 3.2 Evaluate algebraic expressions.		
Objective 1: 5.M.3.2.1 Use the following properties as they relate to addition and multiplication: commutative, associative, and distributive.	*12, *13, 16, *18, 19, *21, 24, 26, 27, 28, 32 , 33, 34, 41, 46, 47, 49, 73, 94, 96 , 100, 119, 128, 141	
Goal 3.3 Solve algebraic equations and inequalities.		
Objective 1: 5.M.3.3.1 Solve missing factor equations.	14, 18, 19, 37, 55, 77, 82, 124	1, 14, 13, 18, 32, 41, 81, 87
Goal 3.4: Understand the concept of functions.		
Objective 1: 5.M.3.4.1 Identify the rule for a pattern using whole numbers and extend the pattern.	6, *49, 55, 104, 111, 143 Non-Numbers: 42, 86	2, 7, 9, 24, 36, 44, 45, 47, 59, 96, 105, 109, 111, 131, 141, 149, 150 Order: 6, 16, 37, 39, 46, 51, 53, 83
Objective 2: 5.M.3.4.2 Use appropriate vocabulary.	6, 14, 18, 42, 49, 55, 77, 86, 104, 111, 143	2, 7, 9, 24, 36, 44, 45, 47, 59, 96, 105, 109, 111, 131, 149, 150
Goal 3.6: Apply functions to a variety of problems.		
Objective 1: 5.M.3.6.1 Use patterns to represent problems.	*49, 55, 104, 111, 143	2, 7, 9, 24, 36, 44, 45, 47, 59, 96, 105, 109, 111, 131, 149, 150

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

<h2 style="margin: 0;">STANDARD 4</h2> <h3 style="margin: 0;">CONCEPTS and PRINCIPLES of GEOMETRY</h3>
--

Goal 4.1: Apply concepts of size, shape, and spatial relationships.
--

Objective 1: 5.M.4.1.1 Identify, compare and analyze attributes of polygons and polyhedra and develop vocabulary to describe the attributes.	20, 35, 42, 45, 53, 54, 63, 71, 75, 145	15, 22, 25, 34, 40, 43, 45, 49, 50, 60, 63, 71, 73, 76, 78, 85, 88, 93, 94, 100, 104, 112, 128, 134, 136, 138, 142 Activity 10, 11, 12 (3-dimensional)
Objective 2: 5.M.4.1.2 Classify angles without formal measures as acute, right, obtuse, and/or straight.	30, 75	
Objective 3: 5.M.4.1.3 Identify and label points, lines, line segments, rays, and angles.	17, 30, 35, 145	
Objective 4: 5.M.4.1.4 Discuss and predict the results of sliding, flipping, and turning two-dimensional shapes.	45	*25, *40, 56, *142
Objective 5: 5.M.4.1.5 Identify shapes as congruent, similar, or symmetrical	30, 45, 71	*128, *134
Objective 6: 5.M.4.1.6 Explain the difference between perimeter and area of a polygon.	54, 56, 63, 95, *134	106, 138 Activity 8
Objective 7: 5.M.4.1.7 Use appropriate vocabulary.	17, 20, 30, 35, 45, 54, 56, 63, 71, 75, 145	106, 138

Goal 4.3: Apply graphing in two dimensions.
--

Objective 1: 5.M.4.3.1 Use ordered pairs to identify and plot points in the first quadrant on a coordinate grid.	52, 64, 90, 95, 123, 140 Intersecting sets: 53	
---	---	--

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

<h2>STANDARD 5</h2> <h3>DATA ANALYSIS, PROBABILITY, and STATISTICS</h3>		
Goal 5.1: Understand data analysis.		
Objective 1: 5.M.5.1.1 Read and interpret tables, charts, bar graphs, and line graphs.	5, 35, 40, 116 Intersection of sets: 53	82, 91, 97
Objective 2: 5.M.5.1.2 Use appropriate vocabulary	5, 35, 40, 116	82, 91, 97
Goal 5.2: Collect, organize, and display data.		
Objective 1: 5.M.5.2.1 Collect, organize, and display the data with appropriate notation in tables, charts, bar graphs, and line graphs.	35, *40, *116	11, 117, 135 Activity 4
Goal 5.3: Apply simple statistical measurements.		
Objective 1: 5.M.5.3.1 Find measures of central tendency - median and mode - with simple sets of data using whole numbers.	115 Averages: 102, 103, 135	Averages: 130
Objective 2: 5.M.5.3.2 Find the range of a set of data using whole numbers.	*25, 40, 115, *147	
Goal 5.4: Understand basic concepts of probability.		
Objective 1: 5.M.5.4.1 Predict, perform, and record results of simple probability experiments using fraction notation.	5, 60, *117	65 Activity 6 Combinations: 15, 118, 123 Possibilities: Activity 4
Objective 2: 5.M.5.4.2 Use the language of probability.	5, 60, 117, 142	65 Activity 6
Goal 5.5: Make predictions or decisions based on data.		
Objective 1: 5.M.5.5.1 Make predictions and decisions based on data.	*5, 60, 116 Possibilities: 58	11, 65 Activity 6

*Gives opportunity to teach specific State Standard



Idaho 5th Grade Standards / *Excel* Math Correlation

Standards / Objectives

Excel Math
Lesson Numbers

Stretch Lesson Numbers
Activity Numbers