



Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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NUMBER AND OPERATIONS (MA.S.1)

MA.3.1.1 Read, write, order, and compare numbers to 10,000.	3, 4, 9, 12, 13, 21, 27, 32, 38, 43, 46, 49, 53, 57, 79, 90, 98, 100, 104, 150 Ordinals: 3, 53 Odd / Even: 31, 46, 123	9, 30, 35, 48, 57, 65, 82, 91, 93, 116, 117, 123, 138, 146
MA.3.1.2 Read, write, order, and compare decimals to hundredths with models.	*16, *22, 33, 51, *75, 82, 95, 110, 114, *126, 134, *146	10, 55, *92, *105, *112, *122, *130, *137, *139, *152
MA.3.1.3 Identify place value of each digit utilizing standard and expanded form to 10,000.	1, 7, 12, 14, 19, 23, 34, 42, 43, 47, 61, 64, *65, 67, 79, 100, 101, 102, 103, *114, 132, 133, 150	
MA.3.1.4 Estimate to nearer 10,000 and 1,000 using rounding, benchmarks, and compatible numbers to determine reasonableness of an answer.	60, 75, 90, 115, 118, 134 Range: 85 Ratios: 126, 127	
MA.3.1.5 Identify fractions as part of a whole/one and as part of a group using models and pictorial representations.	31, 54, 58, 66, 82, 109, 137, 140, 148	Activity 3, 8 (percent)
MA.3.1.6 Compare and order fractions with like and unlike denominators using concrete models.	147	Activity 8
MA.3.1.7 Add and subtract fractions with like denominators using concrete models and pictorial representations.	109, 140	
MA.3.1.8 Recognize and model equivalent fractions using concrete materials.	148, 149	Activity 8
MA.3.1.9 Recognize and model proper and improper fractions and mixed numbers.	*148	Activity *3
MA.3.1.10 Add and subtract 2- and 3-digit whole numbers and money without and with regrouping.	1, 7, 8, 12, 14, 17, 19, 22, 23, 24, 27, 28, 29, 33, 34, 37, 41, 42, 47, 51, 52, 64, 65, 67, 83, 114, 115, 136, 146, 151	9, 13, 22, 48, 55, 57, 65, 79, 91, 92, 100, 101, 117, 119, 122, 128, 129, 130, 140, 144



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MA.3.1.11 Understand multiplication as repeated addition and division as repeated subtraction.	46, 53, 61, 68, 73, 91, 95, 97, 131	145
MA.3.1.12 Understand meanings of operations and the relationship between multiplication and division (e.g., identity element of multiplication, commutative property, property of zero, fact families, associative property).	*31, 39, 46, 58, 61, 68, 71, 91, 96, 103, 111, 117, 118, 132, 133, 142, 151, 153, 154 Multiples: 111, 117 Factors: 143 Prime Factors: 144	
MA.3.1.13 Memorize basic multiplication facts 0-5 and the corresponding division facts.	39, 41, 42, 44, 47, 48, 49, 51, 52, 53, 56, 58, 59, 64, 67, 68, 69, 72, 73, 74, 76, 79, 81, 82, 83, 84, 86, 89, 92, 94, 96, 97, 98, 99, 104, 107, 108, 113, 119, 124, 126, 127, 131, 136, 139, 142, 143, 144, 146, 148, 151, 152, 153, 154 Add / Sub: 1, 2, 3, 6, 7, 11, 13, 16, 17, 19, 24, 26, 28, 29, 31, 33, 34, 38, 39, 41, 42, 44, 45, 47, 51, 52, 57, 58, 64, 68, 69, 73, 74, 79, 81, 84, 92, 96	70, 134, 149, 154
MA.3.1.14 Model multiplication of 2- and 3-digit numbers by a 1-digit number.	61, 71, 73, 91, 95, 103, 121, 131	83, 129
MA.3.1.15 Model division of 2- and 3-digit numbers by a 1-digit number.	59, 71, 87, 88, 93, 94, 98, 101, 102, 103, 111, 114, 132, 133, 134, 142, 151, 153, 154	75, 100, 134, 141, 149
MA.3.1.16 Solve grade level appropriate story problems using multiple strategies.	10, 11, 15, 22, 25, *30, 31, 32, 40, 68, 75, 82, 83, 85, 87, 88, 105, 110, 111, 114, 115, 117, 118, 123, 126, 127, 137, 151, 152	5, 7, 8, 10, 12, 13, 14, 18, 20, 22, 23, 25, 26, 29, 34, 37, 38, 42, 43, 45, 47, 51, 52, 53, 54, 55, 59, 61, 62, 64, 66, 67, 69, 71, 74, 79, 80, 81, 84, 88, 91, 92, 96, 97, 98, 99, 102, 103, 105, 106, 108, 109, 112, 113, 118, 120, 121, 122, 123, 127, 130, 131, 133, 135, 137, 139, 140, 142, 143, 144, 145, 148, 152, 153, 155 Activity 1, 6, 11

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ALGEBRA (MA.S.2)		
MA.3.2.1 Analyze and complete a geometric pattern.	77, 130	1, 77, 78, 85, 125 Activity 2
MA.3.2.2 Use input/output model with grade appropriate functions.	36, 48, 49, 76, 80, 97, 113, 122, 126, 155	2, 5, 6, 16, 21, 28, 36, 40, 45, 62, 117, 125, 146
MA.3.2.3 Identify and write number patterns of 3's and 4's.	37, 48, 49, 80, 97, 126, 155	
MA.3.2.4 Identify and write the rule of a given pattern.	2, 6, 31, 37, 48, 49, 80, 97, 113, 126, 155	5, 45, 62, 125
MA.3.2.5 Write equivalent numerical expressions.	1, 8, 28, 36, 57, 76, 92, 99, 107, 110, 122, 123, 151	1, 2, 6, 16, 21, 28, 33, 36, 95, 102, 117, 125, 128, 146
MA.3.2.6 Represent the idea of a variable as an unknown quantity using a symbol.	36, *76, 81, 107, *123	1, 11, 19, 24, 31, 39, 40, 44, 49, 56, 63, 68, 70, 73, 75, 77, 83, 85, 89, 94, 101, 107, 110, 114, *117, 119, 124, 125, 129, 134, 141, 149, 154
GEOMETRY (MA.S.3)		
MA.3.3.1 Identify basic polygons and their components through decagon.	8, 41, 106, 120, 129, 139 Parts of circle: 119	4, 41, 50, 58, 60, 76, 86, 87, 104, 111, 115, 126, 136, 147, 151 Activity 2
MA.3.3.2 Identify and describe a cube, rectangular solid, cylinder, cone and pyramid according to the number of faces, edges and vertices.	69, 141	90, 132, 150 Activity 7, 12
MA.3.3.3 From a plane drawing, construct and identify the solid figure.	*69	90, 132, 150 Activity 7, 12
MA.3.3.4 Identify, determine and draw lines of symmetry.	55	
MA.3.3.5 Model and describe lines and rays.	128, 129	
MA.3.3.6 Identify and draw right, obtuse and acute angles.	138, 139	



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MA.3.3.7 Given a model, draw an example of a flip, slide and turn (reflection, translation, and rotation).	120	46, 72 Transformations: 4, 17, 58, 76, 87, 104, 111, 115, 136, 147
MA.3.3.8 Name the location of a point on a one-quadrant grid.		Activity 4
MEASUREMENT (MA.S.4)		
MA.3.4.1 Estimate, measure, compare, order and draw lengths using inches (to the nearest ½ inch), feet, yards, centimeters and meters.	32, *50, 56, 63, *83, 108, 122, 125	3, 10, 61, 145, 150
MA.3.4.2 Estimate and count the number of cubes in a rectangular solid to determine volume.	63, 72, 135, 145	29, *150
MA.3.4.3 Discover through modeling the formula for determining the area of a rectangle.	72, 124 Perimeter: 86, 116	
MA.3.4.4 Understand appropriate grade level conversions within a system of measure.	50, 56, 63, 74, 83, 108, 114, 121, 129	
MA.3.4.5 Estimate and measure results of mass/weight in ounces, pounds, grams, and kilograms.	32, *50, 62, 63, *83, 121, 122, 124	102, 109, 117, 121, 127, 128, 140, 155
MA.3.4.6 Read time to 5-minute intervals using analog and digital clocks.	18, 65, 78, 89 Calendar: 27	
MA.3.4.7 Calculate elapsed time to quarter-hour.	83, 112, 152 Days: 26, 84	3, 12, 22, 38, 54, 64, 142
MA.3.4.8 Read and write amounts of money to \$100.00.	16, 22, 44, 51, 82, 114, 146, 149, 151	10, 55, 92, 105, 112, 122, 130, 137, 139, 152
MA.3.4.9 Role-play making change up to \$10.00.	22, 44, 51, 83, *114, 146, 151	10, 55, 92, 105, 112, 122, 130, 137, 139, 152
MA.3.4.10 Estimate, read, and recognize common temperatures of Celsius and Fahrenheit.	32	Activity 10

*Gives opportunity to teach specific State Standard

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DATA ANALYSIS AND PROBABILITY (MA.S.5)		
MA.3.5.1 Collect data from observation, surveys, and experiments, and construct and label a graph.	5	23, 97, 143 Activity *1, *5, 9, 10
MA.3.5.2 Use a timeline to determine a sequence of events.	*10, 70	*3, 14, 32, 142 Order: 8, 27, 42, 47, 53, 59, 61, 66, 74, 88, 99, 103, 108, 118, 131, 153
MA.3.5.3 Experiment and describe concepts of probability and chance and list possible outcomes from a sampling.	5, 30 (Combinations)	95
MA.3.5.4 Analyze data represented on a graph using grade level appropriate questions.	5, 20, 35, 80, 126	23, 97, 143 Activity 10