



Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers
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NUMBERS AND OPERATIONS (MA.S.1)
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MA.1.1.1 Count forward to 100 and backward from 20 with and without objects.	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 16, 17, 21, 24, 28, 33, 36, 39, 40, 42, 46, 47, 58, 61, 63, 69, 72, 74, 82, 102, 109, 130	2, 4, 29, 41, 47 Exercise 1, 6, 10
MA.1.1.2 Read, write, order, and compare numbers to 100.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 28, 29, 30, 32, 34, 35, 37, 39, 40, 44, 46, 47, 49, 51, 52, 53, 54, 57, 60, 62, 63, 64, 67, 70, 72, 74, 80, 81, 82, 86, 91, 93, 94, 98, 109, 113, 118, 121, 126	3, 11, 12, 27, 46, 47, 82, 106, 114, 131, 132 Exercise 1, 2, 4 Order Events 44, 76, 108, 139
MA.1.1.3 Model and identify odd and even numbers to 20 with and without objects.	131, 133	Exercise 1
MA.1.1.4 Count and group concrete items by ones and tens to 100.	1, 2, 3, 4, 6, 7, 13, 16, 19, 21, 24, 33, 36, 40, 42, 48, 58, 61, 63, 69, 72, 74, 82, 86, 94, 96, 97, 109, 130, 147	131 Exercise 10
MA.1.1.5 Model and identify place value of each digit utilizing standard and expanded form to 100.	42, 61, 63, 69, 72, 74, 84, 86, 93, 94, 96, 97, 109, 110, 111, 113, 122, 123, 130, 147	33, 106, 111, 127
MA.1.1.6 Round any two-digit number to nearer 10 to better understand place value.		63
MA.1.1.7 Identify and read ordinal numbers 1 st - 20 th .	59, 132	
MA.1.1.8 Estimate the number of objects in a group of 100 or less and count to determine reasonableness of estimate.	134	29, 136
MA.1.1.9 Identify and name halves, thirds, and fourths as part of a whole and as part of a group using models.	107, 108, 119, 128, 148 Addition of Fractions 155	
MA.1.1.10 Model addition and subtraction of whole numbers using 18 or less items and write the corresponding number sentence.	14, 15, 18, 22, 29, 30, 31, 34, 35, 37, 38, 39, 41, 43, 44, 51, 54, 57, 58, 60, 64, 66, 67, 70, 74, 78, 79, 84, 88, 92, 93, 110, 126, 129, 146, 147	73, 117, 118, 127



West Virginia 1st Grade Standards / *Excel Math* Correlation

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MA.1.1.11 Understand meanings of operations and the relationship between addition and subtraction (e.g., identify element of addition, commutative property, fact families, inverse operations).	34, 60, 71, 72, 88, 106, 116	
MA.1.1.12 Memorize basic addition facts with sums to 10 and corresponding subtraction facts.	31, 36, 38, 41, 42, 43, 46, 48, 53, 54, 56, 58, 61, 63, 66, 68, 71, 72, 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, 31, 58, 73, 117, 118, 127
MA.1.1.13 Model 2-digit addition and subtraction without regrouping.	48, 49, 58, 70, 74, 88, 93, 96, 97, 106, 110, 111, 122, 123, 129, 136, 137, 146, 147	127
MA.1.1.14 Add three numbers with a sum of 18 or less.	32, 64, 139, 142, 149 Four numbers 99, 114	
MA.1.1.15 Solve grade level appropriate picture and story problems using multiple strategies.	18, 22, 30, 31, 32, 35, 37, 41, 44, 45, 54, 57, 66, 67, 70, 74, 77, 85, 100, 101, 116, 131	62, 92, 146, 149, 151 Exercise 8, 10
ALGEBRA (MA.S.2)		
MA.1.2.1 Sort and classify objects by more than one attribute.	65, 75	4, 16, 17, 34, 37, 38, 39, 68, 72, 93, 94, 104, 113, 137, 143, 147
MA.1.2.2 Analyze and create a repeating pattern using common objects and numbers.	5, 10, 17, 19, 25, 36, 40	6, 8, 9, 19, 22, 23, 51, 56, 59, 78, 87, 98, 154
MA.1.2.3 Use input/output model with grade appropriate functions.	90, 102, 112, 124, 129, 133, 144	151
MA.1.2.4 Identify and write number patterns by 2's, 5's, and 10's.	5, 10, 17, 19, 25, 36, 40, 90, 102, 112, 124, 129, 133, 144	154
MA.1.2.5 Identify and represent number patterns using words, AB form, and T-charts.	*5, *10, *17, *19, *25, *36, *40, *90, *102, *112, *124, *129, *133, *144	151
MA.1.2.6 Use models to demonstrate that the quantities on each side of a number sentence are equivalent.	7, 38, 39, 45, 57, 60, 66, 67, 69, 72, 78, 79, 85, 89, 92, 100, 101, 103, 104, 117, 121, 127, 141, 142	123 Exercise 10

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GEOMETRY (MA.S.3)		
MA.1.3.1 Draw and describe triangles, squares, circles, and rectangles according to number of sides and vertices.	8, 9, 25, 65, 75, 125, 128, 135, 140	7, 19, 22, 26, 28, 49, 51, 57, 61, 64, 86, 88, 97, 101, 103, 107, 121, 126, 129, 133, 148, 152, 153 Exercise 3, 4, 7
MA.1.3.2 Use physical materials to construct, identify, and classify three-dimensional figures: cube, cone, sphere, rectangular solid, pyramid, and cylinder.	150, 151	66, 67
MA.1.3.3 Identify three-dimensional shapes in the environment.	151	66, 67, 68 Exercise 7
MA.1.3.4 Identify and draw open and closed figures.	9, *65, *75, 135	7, 64, 97, 112, 121, 133
MA.1.3.5 Identify, determine, and draw a line of symmetry.	*140, 153	*61, *86, 122, 126
MA.1.3.6 Identify and draw plane shapes that are congruent.		*26, *61, *103, *107, *126 Similar 101, 152
MA.1.3.7 Describe spatial relationships: over/under, left/right.	20, *25, 125, *140, 145	26, 28, 36, 38, *64, 74, 77, 79, 86, *89, 103, 107, 116 Exercise 3, 4
MA.1.3.8 Find and name locations with simple relationships on a coordinate system.		
MA.1.3.9 Describe the shape created by combining two or more two-dimensional shapes.		49, 57, 61, 64, 66, 86, 88, 101, 103, 109, 119, 121, 124, 126, 129, 133, 152, 153 Exercise 7



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MEASUREMENT (MA.S.4)		
MA.1.4.1 Estimate, measure, compare and order using customary, metric, and nonstandard units to determine length to nearest whole unit.	50, 56, 83, 87, 134	13, 14, 21, 24, 29, 32, 41, 42, 43, 48, 52, 53, 63, 69, 71, 91, 112, 136 Exercise 5
MA.1.4.2 Understand appropriate grade level conversions within a system of measurement.	*56, *83, 87	71
MA.1.4.3 Compare two objects or events according to one or more of the following attributes: length, height, weight, time, temperature and volume.	50, 56, 83, 87, 134	13, 14, 21, 24, 32, 39, 42, 43, 48, 52, 53, 63, 69, 71, 91, 136 Exercise 5
MA.1.4.4 Name the months of the year and find a date on a monthly calendar.	95 Days 76	Exercise 9
MA.1.4.5 Explain time concept in context of personal experience.	105, 143	76, 138, 139 Exercise 9
MA.1.4.6 Read time to the half hour using an analog and digital clock.	26, 27, 62, 138, 152	143 Exercise 10
MA.1.4.7 Calculate elapsed time to the hour.	Days 76	*138
MA.1.4.8 Identify the name and value of quarter and dollar.	68, 154	68, 81, 83, 84, 128
MA.1.4.9 Count and trade a collection of pennies, nickels, and dimes with a total value of 100 cents or less.	23, 29, 51, 139	81, 83, 84, *128, 144
MA.1.4.10 Role-play making change up to a dime.	*23, 29, 51, 139	144
MA.1.4.11 Select the appropriate tools of measurement to determine length, weight, volume and temperature.	50, 56, 83, 87	71, 91, 136 Exercise 5

*Gives opportunity to teach specific State Standard

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DATA ANALYSIS AND PROBABILITY (MA.S.5)		
MA.1.5.1 Identify and investigate various forms of data collection.	55, 73, 120	13, 14, 32, 41, 52, 53, 54, 66, 67, 72, 94, 99, 102, 115, 134, 136, 141, 142 Exercise 11, 12
MA.1.5.2 Read and interpret a pictograph with each picture representing a single unit.	55, 73, 120	66, 67, *76, 94, 99, 102, 115, 134, 136, 142 Exercise 11, 12
MA.1.5.3 Conduct simple experiments and use the data to predict which of the events is more likely or less likely to occur if the experiment is repeated.	55, 73	66, 67, 94, 102 Combinations 54, 96
MA.1.5.4 Discuss events related to students' experiences as likely or unlikely.	55, *73	66, 67, 94, 102
MA.1.5.5 Tally by one's, organize the data in a chart/table, and construct a bar graph; read and interpret tally charts and tables.	73, 120	13, 14, 32, 41, 52, 53, 54, 66, 67, 94, 102, 136 Exercise 12
MA.1.5.6 Analyze data represented on a graph using grade level appropriate questions.	73, 120	13, 14, 32, 41, 52, 53, 54, 66, 67, 72, 94, 99, 102, 134, 136, 141, 142 Logic 89, 146, 149