



**North Carolina State Math Objectives /Excel Math Correlation  
Grade 2**

NORTH CAROLINA MATH OBJECTIVES	Excel Math Lesson Numbers	Stretch Lesson Number Activity Number
<b>STRAND - Number Sense, Numeration, and Numerical Operations</b>		
<b>COMPETENCY GOAL 1: The learner will read, write, model, and compute with whole numbers through 999.</b>		
<b>1.01 Develop number sense for whole numbers through 999.</b>		
a) Connect model, number word, and number using a variety of representations.	17, 24, 28, 31, 32, 33, 38, 39, 41, 42, 46, 56, 59, 64, 67, 71, 72, 73, 74, 82, 88, 91, 92, 94, 106, 107, 109, 116, 118, 120, 121, 123, 129, 145, 148  Ordinals – 7, 14, 73, 76	
b) Read and write numbers.	1, 2, 3, 4, 6, 9, 11, 16, 20, 21, 22, 23, 26, 27, 31, 32, 33, 36, 37, 39, 41, 42, 46, 47, 48, 49, 51, 54, 56, 57, 58, 59, 61, 64, 67, 68, 70, 71, 72, 73, 76, 82, 83, 87, 88, 92, 93, 94, 102, 103, 105, 106, 107, 108, 109, 112, 116, 117, 118, 122, 123, 127, 128, 129, 131, 133, 137, 138, 139, 140, 142, 145, 146, 147, 148	
c) Compare and order.	2, 3, 5, 6, 7, 12, 14, 18, 26, 37, 52, 61, 70, 73, 97, 112, 124, 142	22, 26, 31, 38, 39, 46, 48, 51, 54, 56, 59, 60, 64, 68, 84, 89, 98, 107, 111, 116, 120, 133, 145, 148
d) Rename.	1, 5, 6, 31, 46, 49, 56, 59, 71, 72, 74, 82, 91, 94, 107, 118, 123, 129, 139, 140, 145	
e) Estimate.	12	
f) Use a variety of models to build understanding of place value (ones, tens, hundreds).	9, 11, 13, 16, 18, 22, 31, 32, 34, 39, 46, 48, 51, 56, 59, 64, 67, 71, 72, 74, 82, 88, 91, 92, 94, 106, 107, 116, 118, 122, 123, 129, 133, 139, 140, 145, 146, 147	
<b>1.02 Use area or region models and set models of fractions to explore part-whole relationships in contexts.</b>		
a) Represent fractions (halves, thirds, fourths) concretely and symbolically.	63, 77, 80, 111, 113, 114, 115, 120, 126, 150, 155	Activity 2
b) Compare fractions (halves, thirds, fourths) using models.	63, 120, 150, 155	
c) Make different representations of the same fraction.	77, 120, 150, 155	
d) Combine fractions to describe parts of a whole.	77, 120, 126, 150	



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<b>1.03 Create, model, and solve problems that involve addition, subtraction, equal grouping, and division into halves, thirds, and fourths (record in fraction form).</b>	111, 113, 114, 115, 120, 127, 128, 150, 153, 155	
<b>1.04 Develop fluency with multi-digit addition and subtraction through 999 using multiple strategies.</b>		
a) Strategies for adding and subtracting numbers.	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 31, 32, 34, 36, 38, 39, 41, 42, 46, 48, 49, 51, 52, 54, 56, 57, 58, 59, 66, 67, 68, 71, 72, 73, 76, 79, 81, 82, 86, 88, 92, 94, 95, 97, 102, 103, 104, 105, 106, 107, 108, 109, 116, 117, 118, 119, 121, 122, 124, 125, 129, 131, 133, 136, 138, 139, 140, 141, 145, 146, 147, 149  Multiplication – 95, 108, 121, 124, 125, 131, 132, 134, 137, 141, 152  Division – 113, 114, 115, 127, 128, 136, 137, 152, 153, 154	22, 26, 31, 38, 39, 46, 51, 56, 60, 68  Activity 6
b) Estimation of sums and differences in appropriate situations.	16, 91	Activity 2
c) Relationships between operations.	1, 9, 13, 20, 28, 36, 42, 56, 67, 108, 137, 141, 152	
<b>1.05 Create and solve problems using strategies such as modeling, composing and decomposing quantities, using doubles, and making tens and hundreds.</b>	1, 4, 5, 6, 9, 11, 13, 16, 18, 22, 24, 28, 30, 33, 40, 42, 47, 48, 51, 54, 56, 57, 59, 66, 67, 70, 71, 72, 81, 83, 88, 94, 95, 97, 104, 106, 107, 121, 129  All ‘Create A Problems’ (back of tests)	88, 106, 122, 135, 141,
<b>1.06 Define and recognize odd and even numbers.</b>	37, 99, 111	115, 128
<b>Strand: Measurement</b>		
<b>COMPETENCY GOAL 2: The learner will recognize and use standard units of metric and customary measurement.</b>		
<b>2.01 Estimate and measure using appropriate units.</b>		
a) Length (meters, centimeters, feet, inches, yards).	55, 60, 84, 85, 132  Volume – 65  Area - 90	28  All Measurement Activities Activity 7, 9, 12, 13
b) Temperature (Fahrenheit).	53	



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<b>2.02 Tell time at the five-minute intervals.</b>	19, 29, 45, 62, 69, 89, 98, 143 Calendars / days of week – 44, 134, 151 Money – 43, 66, 79, 83, 86, 109, 119, 138, 140, 149	Calendar months 40, 49, 104, 145
<b>Strand: Geometry</b>		
<b>COMPETENCY GOAL 3: The learner will perform simple transformations.</b>		
<b>3.01 Combine simple figures to create a given shape.</b>	78	24, 36, 77, 85, 94, 105, 129, 139, 142
<b>3.02 Describe the change in attributes as two- and three-dimensional figures are cut and rearranged.</b>	6, 36, 78, 110	23, 34, 62, 66, 74, 77, 92, 103, 112, 127, 138, 144
<b>3.03 Identify and make:</b>		
a) Symmetric figures.	75, 135	Activity 11
b) Congruent figures.	135, 144	
<b>Strand: Data Analysis and Probability</b>		
<b>COMPETENCY GOAL 4: The learner will understand and use data and simple probability concepts.</b>		
<b>4.01 Collect, organize, describe and display data using Venn diagrams (three sets) and pictographs where symbols represent multiple units (2's, 5's, 10's).</b>	5, 9, 10, 15, 35, 50, 100, 105	40, 42, 47, 49, 50, 55, 81, 97, 104, 124, 133, 151 Activity 1, 3, 5, 14
<b>4.02 Conduct simple probability experiments; describe the results and make predictions.</b>	15, 25, 35, 100, 130	Activity 1, 3, 4, 5
<b>Strand: Algebra</b>		
<b>COMPETENCY GOAL 5: The learner will recognize and represent patterns and simple mathematical relationships.</b>		
<b>5.01 Identify, describe, translate, and extend repeating and growing patterns.</b>	2, 18, 26, 37, 40, 47, 61, 70, 73, 87, 93, 96, 99, 101, 111, 121, 142	21, 25, 32, 40, 49, 55, 90, 91, 96, 104, 113, 136, 149, 150, 152, 153
<b>5.02 Write addition and subtraction number sentences to represent a problem; use symbols to represent unknown quantities</b>	1, 20, 21, 22, 23, 27, 31, 32, 36, 38, 42, 46, 48, 49, 51, 52, 56, 57, 58, 67, 91, 100, 102, 103, 117, 124, 136, 153	33, 41, 45, 49, 52, 57, 61, 65, 70, 75, 80, 82, 87, 95, 96, 101, 109, 114, 115, 119, 121, 125, 130, 134, 137, 143, 147, 150, 155