

Standards / Objectives	Excel Math Lesson Numbers	Activity Numbers
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NUMBERS AND OPERATIONS

COMPETENCY GOAL 1:

The learner will read, write, model, and compute with whole numbers through 99.

1.01 Develop number sense for whole numbers through 99.

a) Connect the model, number word, and number using a variety of representations.	2, 46, 47, 82, 93, 94, 98, 109, 113, 118, 130, 154	46, 114 Exercise 4, 6, 10
b) Use efficient strategies to count the number of objects in a set.	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 15, 16, 17, 19, 21, 24, 33, 34, 36, 37, 39, 42, 46, 61, 63, 69, 70, 72, 74, 82, 86, 130	2, 4, 27, 41, 46, 47, 82 Exercise 1
c) Read and write numbers.	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 34, 35, 40, 42, 44, 45, 47, 49, 51, 52, 54, 57, 60, 61, 62, 63, 64, 67, 70, 72, 74, 82, 86, 144	3, 46, 82, 132 Exercise 1, 2
d) Compare and order sets and numbers.	7, 11, 12, 28, 33, 34, 52, 53, 80, 81, 91, 121, 126, 127 Events 105	2, 4, 11, 12, 46, 82, 106, 127 Exercise 1 Events 44, 76, 108, 139
e) Build understanding of place value (ones, tens).	42, 63, 69, 70, 72, 74, 82, 84, 86, 94, 96, 97, 109, 111, 130, 147 Ordinals 59, 132	33, 111
f) Estimate quantities fewer than or equal to 100.	134, Time 143	29, 41, 136, Time 138
g) Recognize equivalence in sets and numbers 1-99.	7, 28, 34, 71, 89, 93, 106, 116, 127	123
1.02 Use groupings of 2's, 5's, and 10's with models and pictures to count collections of objects.	63, 69, 72, 74, 82, 86, 90, 94, 102, 112, 124, 129, 130, 131, 133, 144, 147	131 Exercise 10
1.03 Develop fluency with single-digit addition and corresponding differences using strategies such as modeling, composing and decomposing quantities, using doubles, and making tens.	14, 15, 18, 22, 29, 30, 31, 33, 36, 37, 38, 39, 41, 42, 43, 44, 46, 48, 53, 54, 56, 57, 58, 60, 61, 63, 66, 67, 68, 71, 72, 78, 79, 81, 83, 84, 86, 88, 89, 91, 92, 93, 96, 97, 98, 103, 106, 109, 110, 113, 116, 118, 126, 127, 128, 133, 141, 143, 146, 149	18, 27, 31, 58, 69, 73, 118



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1.04 Create, model, and solve problems that use addition, subtraction, and fair shares (between two or three).	14, 15, 18, 22, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 41, 43, 44, 45, 48, 49, 51, 54, 57, 58, 60, 62, 64, 66, 67, 70, 74, 78, 79, 84, 85, 88, 92, 96, 97, 99, 100, 101, 103, 104, 106, 110, 111, 114, 117, 122, 123, 126, 127, 136, 137, 139, 141, 142, 146, 147, 149	69, 73, 92, 117, 123, 127, 144
MEASUREMENT		
COMPETENCY GOAL 2: The learner will use non-standard units of measure and tell time.		
2.01 For given objects:		
a) Select an attribute (length, capacity, mass) to measure (use non-standard units).	56, 83, 87	13, 14, 21, 24, 32, 39, 42, 43, 48, 50, 52, 53, 63, 71, 97, 136 Exercise 5
b) Develop strategies to estimate size.	56, 83, 134, 143	13, 14, 21, 24, 29, 32, 39, 41, 43, 48, 50, 52, 53, 69, 91, 138 Exercise 5
c) Compare, using appropriate language, with respect to the attribute selected.	56, 83, 87	13, 14, 21, 24, 32, 39, 41, 42, 43, 48, 50, 52, 53, 63, 69, 71, 91, 136, 138 Exercise 5
2.02 Develop an understanding of the concept of time.		
a) Tell time at the hour and half-hour.	26, 27, 62, 138, 152	143
b) Solve problems involving applications of time (clock and calendar).	*26, 76, 95, 143	138, 143 Exercise 9

*Gives opportunity to teach specific State Standard

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GEOMETRY

COMPETENCY GOAL 3: The learner will identify, describe, draw, and build basic geometric figures.

3.01 Identify, build, draw and name parallelograms, squares, trapezoids, and hexagons.	8, 9, 25, 65, 75	7, 8, 9, 22, 26, 28, 49, 51, 56, 57, 61, 64, 86, 88, 89, 97, 101, 103, 107, 112, 119, 121, 124, 125, 126, 129, 133, 135, 140, 148, 152, 153
3.02 Identify, build, and name cylinders, cones, and rectangular prisms.	150, 151	
3.03 Compare and contrast geometric figures.	9, 65, 75, 151	7, 26, 61, 88, 101, 126, 135, 148 Exercise 4, 7
3.04 Solve problems involving spatial visualization.	20, 65, 153	7, 22, 28, 36, 38, 49, 51, 56, 57, 61, 64, 74, 77, 79, 86, 88, 89, 97, 101, 103, 107, 112, 116, 119, 121, 122, 124, 125, 126, 129, 133, 140, 145, 152, 153 Exercise 3, 4, 7

DATA ANALYSIS AND PROBABILITY

COMPETENCY GOAL 4: The learner will understand and use data and simple probability concepts.

4.01 Collect, organize, describe and display data using line plots and tallies.	73, 105, 115, 120	13, 14, 32, 41, 42, 66, 67, 72, 94, 99, 102, 136, 141, 142 Exercise 11, 12 Combinations: 54, 96
4.02 Describe events as certain, impossible, more likely or less likely to occur.	55, *115	66, 67, 94, 102

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ALGEBRA		
COMPETENCY GOAL 5: The learner will demonstrate an understanding of classification and patterning.		
5.01 Sort and classify objects by two attributes.	65, 75 Money 23, 29, 51, 68, 139, 154	2, 4, 16, 17, 34, 37, 38, 54, 68, 72, 81, 83, 84, 93, 102, 104, 113, 128, 137, 139, 141, 143, 144, 147, 151 Exercise 11
5.02 Use Venn diagrams to illustrate similarities and differences in two sets.		72, 99, 102, 134
5.03 Create and extend patterns, identify the pattern unit, and translate into other forms.	5, 10, 17, 19, 25, 36, 40, 42, 70, 72, 74, 82, 90, 102, 112, 124, 131, 133, 144	6, 8, 9, 19, 22, 23, 51, 56, 59, 78, 87, 98, 141, 145, 154 Combinations 54, 96
Things covered in Excel Math not required by the State of North Carolina		
Money	23, 29, 51, 68, 139, 154	68, 81, 83, 84, 128, 144
Logic	77	62, 113, 146, 149, 151
Combinations		54, 96
Fractions	107, 108, 119, 128, 148, 155	
Odd / Even	131, 133	