



Standards / Objectives

Excel Math Lesson Numbers

**STANDARD 1
NUMBER AND OPERATION**

Goal 1.1: Understand and use numbers.

Objective 1: K.M.1.1.1 Demonstrate knowledge of our numeration system by counting forward by ones to at least 31.	12, 13, 14, 17, 18, 23, 24, 27, 32, 33, 36, 40, 41, 42, 44, 48, 49, 51, 58, 60, 62, 64, 68, 70, 72, 73, 74, 78, 79, 81, 82, 83, 86, 87, 88, 90, 92, 96, 100, 101, 103, 105, 106, 107, 113, 114, 118, 119, 121, 122, 123, 124, 126, 127, 128, 131, 132, 133, 134, 140, 141, 143, 144, 145, 148, 150, 155, 156, 160, 162, 163, 168, 169, 177, 179, 181, 188, 189, 190, 192
Objective 2 K.M.1.1.2 Show the verbal, symbolic, and physical representations of a number up to 10.	12, 13, 14, 17, 18, 23, 24, 27, 28, 32, 33, 37, 38, 40, 43, 46, 48, 49, 51, 52, 53, 54, 60, 66, 67, 68, 76, 78, 83, 85, 87, 88, 91, 95, 99, 100, 101, 102, 105, 109, 113, 114, 118, 120, 122, 123, 124, 126, 128, 129, 130, 131, 133, 134, 136, 140, 141, 142, 143, 144, 145, 147, 150, 153, 155, 156, 157, 160, 162, 163, 164, 166, 168, 169, 170, 174, 177, 179, 180, 181, 182, 183, 186, 188, 189, 190, 192, 194, 195, 196, 199, 200
Objective 3: K.M.1.1.3 Identify a penny as a value of money.	Penny: 96, 137, 149, 176 Nickel: 116, 137, 149 Dime: 159 Quarter: 185
Objective 4: K.M.1.1.4 Select strategies appropriate for solving a problem.	8, 13, 22, 24, 28, 38, 41, 44, 47, 49, 51, 52, 54, 58, 59, 62, 64, 69, 70, 72, 73, 74, 75, 79, 81, 82, 83, 86, 89, 90, 92, 95, 102, 103, 105, 106, 107, 112, 113, 119, 121, 122, 124, 126, 127, 129, 131, 132, 136, 137, 141, 143, 149, 150, 153, 156, 160, 163, 166, 174, 175, 179, 180, 182, 183, 186, 187, 189, 190, 194, 195, 196, 197, 198,
Objective 5: K.M.1.1.5 Use appropriate vocabulary.	2, 8, 13, 22, 31, 39, 41, 44, 47, 49, 58, 62, 70, 74, 81, 86, 92, 103, 105, 107, 126, 127, 144, 155

Goal 1.2: Perform computations accurately.

Objective 1: K.M.1.2.1 Use concrete objects to illustrate the concepts of addition and subtraction.	64, 72, 73, 79, 82, 90, 92, 95, 102, 103, 105, 107, 113, 119, 121, 124, 126, 127, 129, 131, 132, 136, 139, 141, 143, 149, 150, 153, 156, 160, 163, 166, 174, 175, 176, 179, 180, 182, 183, 186, 187, 189, 190, 194, 195, 196, 197, 198, 199, 200
Objective 2 K.M.1.2.2 Use appropriate vocabulary.	64, 72, 73, 79, 82, 90, 92, 95, 102, 103, 105, 107, 113, 119, 121, 124, 126, 129, 131, 132, 136, 141, 143, 149, 150, 153, 156, 160, 163, 174, 175, 176, 179, 180, 182, 183, 186, 187, 189, 190, 195, 196, 197, 199, 200



Standards / Objectives	Excel Math Lesson Numbers
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Goal 1.3: Estimate and judge reasonableness of results	
Objective 1: K.M.1.3.1 Use estimation to identify a number of objects.	25, 44, 103, 127
Objective 2: K.M.1.3.2 Use estimation to evaluate the reasonableness of an answer.	25, 44, 103, 127
Objective 3: K.M.1.3.3 Use appropriate vocabulary.	25, 44, 103, 127

<h2 style="margin: 0;">STANDARD 2</h2> <h3 style="margin: 0;">CONCEPTS AND PRINCIPLES OF MEASUREMENT</h3>

Goal 2.1: Understand and use U.S. customary and metric measurements.	
Objective 1: K.M.2.1.1 Compare the lengths or sizes of objects (e.g., longer, shorter, larger, smaller).	2, 6, 25, 34, 56, 151, 158, 184 Weight: 50, 125, 167 Volume: 44, 115
Objective 2: K.M.2.1.2 Estimate measurement using concrete objects.	4, 25, 50, 56, 77, 84, 115, 125, 151, 158, 167, 184
Objective 3: K.M.2.1.3 Name the day of the week and the day's date using a calendar.	84 Time: 84, 110, 111, 161
Objective 4: K.M.2.1.4 Use appropriate vocabulary.	4, 6, 25, 50, 56, 77, 84, 115, 125, 151, 158, 167, 184

STANDARD 3

CONCEPTS AND LANGUAGE OF ALGEBRA AND FUNCTIONS

Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.

Objective 1: K.M.3.1.1 Use concrete objects to identify and show a solution to problems.	13, 22, 24, 28, 38, 41, 43, 44, 47, 49, 51, 52, 54, 58, 59, 60, 62, 64, 67, 69, 70, 72, 73, 74, 79, 81, 82, 83, 86, 87, 89, 90, 92, 95, 102, 103, 105, 106, 107, 113, 119, 121, 122, 124, 126, 127, 129, 131, 132, 136, 141, 143, 149, 150, 153, 156, 160, 163, 166, 174, 175, 178, 180, 182, 183, 186, 187, 194, 195, 196, 197, 198
Objective 2: K.M.3.1.2 Compare sets of objects using vocabulary (less than, greater than, and same as).	41, 44, *72, *73, *79, *82, 84, *105, 107, *119, *121, *126, 131, 157, 164, *197, *198 Most: 36, 58, 70, 74, 81, 86 Fewest: 47, 62, 70, 74, 81, 186

Goal 3.4: Understand the concept of functions.

Objective 1: K.M.3.4.1 Replicate and extend simple repeating patterns (e.g., ABAB).	10, 19, 20, 29, 30, 45, 56, 57, 63, 71, 100, 104, 118, 139, 147, 154, 170, 172, 178
Objective 2: K.M.3.4.2 Use appropriate vocabulary.	4, 10, 11, 21, 56, 100, 112, 139

STANDARD 4

CONCEPTS AND PRINCIPLES OF GEOMETRY

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

Objective 1: K.M.4.1.1 Recognize, name, compare, and sort two- and three- dimensional shapes (triangle, rectangle, square, circle, cone, cube).	25, 39, 56, 65, 75, 80, 106, 171, 172, 191
Objective 2: K.M.4.1.2 Sort and classify objects.	4, 8, 11, 16, 21, 22, 26, 28, 31, 38, 39, 52, 56, 59, 69, 75, 89, 97, 108, 112, 135
Objective 3: K.M.4.1.3 Apply appropriate vocabulary.	1, 2, 3, 5, 6, 7, 9, 15, 21, 25, 31, 34, 35, 36, 39, 47, 50, 55, 56, 58, 74, 79, 81, 86, 112, 135, 171, 191



Standards / Objectives	Excel Math Lesson Numbers
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Goal 4.3: Apply graphing in two dimensions.	
Objective 1: K.M.4.3.1 Describe the location of an object relative to another (e.g., next to, under, over, behind).	1, 5, 7, 9, 15, 35, 55, 94, 148, 152, 171, 191
STANDARD 5	
DATA ANALYSIS, PROBABILITY, AND STATISTICS	
Goal 5.1: Understand data analysis.	
Objective 1: K.M.5.1.1 Interpret information from real object graphs and simple pictographs.	61, 93, 98, 106, 146
Objective 2: K.M.5.1.2 Use appropriate vocabulary.	61, 93, 98, 106, 146
Goal 5.2: Collect, organize, and display data.	
Objective 1: K.M.5.2.1 Create a graph using real objects or pictorial representations.	34, 50, 61, 77, 93, 98, 106, 125, 146, 151, 158, 167, 173, 184 Combinations: 117, 138, 165 Deductive Reasoning: 69, 89, 112, 135, 183, 193