



Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Exercise Numbers
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<h1 style="margin: 0;">STANDARD 1</h1> <h2 style="margin: 0;">NUMBER and OPERATION</h2>

Goal 1.1: Understand and use numbers.
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Objective 1: K.M.1.1.1 Demonstrate knowledge of our numeration system by counting forward by ones to at least 31.	8, 10, 15, 16, 17, 20, 22, 25, 26, 30, 32, 40, 42, 44, 45, 50, 52, 54, 56, 58, 60, 65, 68, 69, 71, 80, 86, 89, 90, 91, 95, 96, 98, 100, 101, 103, 105, 108, 110, 112, 113, 115, 116, 120, 122, 124, 125, 127, 130, 135, 144	3, 6, 7, 11, 12, 14, 20, 22
Objective 2: K.M.1.1.2 Show the verbal, symbolic, and physical representations of a number up to 10.	8, 10, 15, 16, 20, 25, 28, 30, 40, 44, 45, 50, 58, 60, 65, 68, 69, 71, 73, 80, 86, 89, 90, 91, 95, 98, 100, 101, 105, 108, 110, 112, 115, 116, 118, 120, 122, 124, 125, 127, 130, 135, 144 Ordinals 27, 59, 74, 75	1, 2, 3, 4, 6, 7, 11, 12, 14, 19, 20, 22
Objective 3: K.M.1.1.3 Identify a penny as a value of money.	67, 77 (nickel), 102, 107, 117 (dime), 132, 137 (quarter), 154	
Objective 4: K.M.1.1.4 Select strategies appropriate for solving a problem.	42, 64, 70, 71, 81, 85, 86, 93, 96, 97, 99, 100, 102, 103, 106, 107, 113, 121, 122, 123, 131, 132, 133, 136, 138, 142, 143, 145, 146, 147, 148, 151	
Objective 5: K.M.1.1.5 Use appropriate vocabulary.	8, 10, 15, 16, 20, 22, 25, 26, 28, 30, 40, 45, 50, 58, 60, 65, 71, 80, 81, 89, 90, 95, 97, 98, 102, 105, 106, 108, 110, 112, 115, 120, 124, 125, 130, 135, 144, 151	20, 22

Goal 1.2: Perform computations accurately.

Objective 1: K.M.1.2.1 Use concrete objects to illustrate the concepts of addition and subtraction.	42, 47, 49, 56, 62, 64, 70, 71, 81, 85, 86, 93, 96, 97, 99, 103, 106, 109, 113, 116, 121, 123, 131, 133, 136, 138, 142, 143, 145, 146, 147, 148, 149, 150, 151	
Objective 2: K.M.1.2.2 Use appropriate vocabulary.	42, 47, 49, 56, 62, 64, 70, 71, 81, 85, 86, 93, 96, 97, 99, 103, 106, 109, 113, 116, 121, 123, 131, 133, 136, 138, 142, 143, 145, 146, 147, 148, 149, 150, 151	



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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.	21, 26, 36, 37, 52, 55, 151	13
Objective 2: K.M.1.3.2 Use estimation to evaluate the reasonableness of an answer.	19, 21, 26, 36, 37, 52, 55, 151	13
Objective 3: K.M.1.3.3 Use appropriate vocabulary.	19, 21, 26, 36, 37, 52, 55, 151	13
<h1 style="margin: 0;">STANDARD 2</h1> <h2 style="margin: 0;">CONCEPTS and PRINCIPLES of MEASUREMENT</h2>		
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).	11, 19, 24, 39, 54, 84, 94, 114, 119, 126 Temperature 129	13, 21 Temperature 23
Objective 2: K.M.2.1.2 Estimate measurement using concrete objects.	11, 19, 54, 84, 94, 114, 119, 126	13
Objective 3: K.M.2.1.3 Name the day of the week and the day's date using a calendar.	2, 53, 57, 73, 82, 87, 88 Time 78, 83	
Objective 4: K.M.2.1.4 Use appropriate vocabulary.	2, 11, 19, 24, 39, 54, 78, 84, 94, 119, 126	

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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.	42, 47, 49, 56, 62, 70, 71, 81, 85, 86, 93, 96, 97, 99, 103, 109, 113, 116, 123, 136, 138, 142, 143, 145, 146, 147, 148, 151	
Objective 2: K.M.3.1.2 Compare sets of objects using vocabulary (less than, greater than, and same as).	16, 19, 21, 26, 28, 31, 32, 33, 36, 37, 42, 44, 49, 52, 54, 56, 57, 58, 118, 122, 152	

Goal 3.4: Understand the concept of functions.

Objective 1: K.M.3.4.1 Replicate and extend simple repeating patterns (e.g., ABAB).	12, 13, 18, 38, 41, 69, 72, 91, 101, 112, 125, 127, 130, 134, 135, 144	22
Objective 2: K.M.3.4.2 Use appropriate vocabulary.	12, 13, 21, 26, 31, 36, 37, 38, 41, 69, 72, 91, 101, 112, 125, 127, 130, 134, 135, 144	

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).	17, 43, 48, 49, 61, 92, 128, 134, 141	5, 8, 9, 15, 16, 17, 19
Objective 2: K.M.4.1.2 Sort and classify objects.	5, 14, 17, 22, 23, 39, 46, 51, 61, 63, 66, 68, 76, 79, 141	5, 8, 15, 16, 21, 24
Objective 3: K.M.4.1.3 Apply appropriate vocabulary.	5, 14, 17, 22, 23, 39, 46, 48, 51, 61, 66, 141	5, 8, 15, 16, 21, 24



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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, 3, 4, 6, 7, 9, 29, 74, 128, 139	6, 9, 10, 11, 12, 17
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.	34, 35, 94, 104, 111, 114, 119, 140, 153, 154, 155	18
Objective 2: K.M.5.1.2 Use appropriate vocabulary.	34, 35, 94, 104, 111, 114, 119, 140, 153, 154, 155	18
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, 35, 94, 104, 111, 114, 119, 140, 153, 154, 155	18