

Standards / Objectives	Excel Math Lesson Numbers	Exercises
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<p><b>Standard 1</b>  <b>Students will understand simple number concepts and relationships.</b></p>
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<p><b>Objective 1: Identify and use whole numbers up to 30.</b></p>		
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<p>a. Represent whole numbers using concrete, pictorial, and symbolic representations.</p>	<p>8, 10, 15, 16, 20, 25, 28, 30, 40, 44, 45, 50, 56, 58, 60, 61, 62, 63, 65, 66, 67, 68, 69, 71, 73, 76, 77, 78, 80, 81, 82, 83, 86, 88, 89, 90, 91, 95, 98, 100, 101, 102, 105, 108, 110, 111, 112, 115, 116, 117, 120, 122, 124, 125, 130, 135, 144, 152</p>	<p>1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 14, 20, 22</p>
<p>b. Order a set of up to ten objects and use ordinal numbers from first to tenth to identify the position of the object in the chosen order.</p>	<p>27, *28, 53, 59, 74, 75, 153</p>	<p>10</p>
<p>c. Use one-to-one correspondence when counting a set of objects and develop a strategy for keeping track of counted and uncounted objects.</p>	<p>8, 10, 15, 16, 17, 20, 22, 25, 28, 30, 32, 40, 42, 44, 45, 49, 50, 56, 60, 65, 80, 89, 90, 95, 98, 100, 105, 108, 110, 115, 120, 122, 124, 125, 130, 135, 144</p>	<p>3, *6</p>

<p><b>Objective 2: Identify and use simple relationships among whole numbers up to 30.</b></p>		
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<p>a. Estimate quantities in a set of objects using multiples of 10 as benchmark numbers.</p>	<p>*151</p>	<p>13</p>
<p>b. Compose and decompose quantities to establish a relationship between the parts and the whole.</p>	<p>104, 111, 155</p>	<p>18, Great or less than 20</p>
<p>c. Recognize 5 or 10 as a part of the part-whole relationship of numbers.</p>		
<p>d. Compare sets of objects and determine whether they have the same, fewer, or more objects.</p>	<p>21, 26, 31, 32, 33, 36, 37, 52, 55, 57, 84, 152            Greatest Value 118</p>	<p>13</p>

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<b>Objective 3: Model, describe, and illustrate meanings of addition and subtraction for whole numbers less than ten.</b>		
a. Demonstrate the joining and separating of sets of objects to solve problems.	42, 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	
b. Describe the joining or separating of sets with informal language when using models.	42, 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, 151	
c. Record pictorially the results from joining or separating of sets.	42, 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, 151	

<h2>Standard 2</h2> <p><b>Students will sort and classify objects as well as recognize and create simple patterns.</b></p>
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<b>Objective 1: Identify, sort, and classify objects according to common attributes.</b>		
a. Sort objects into groups by attribute and identify which attribute was used.	5, 14, 16, 17, 19, 22, 23, 24, 34, 46, 51, 63, 66, 68, 76, 79, 111, 137, 148	5, 18, 23, 24
b. Describe multiple ways to sort and classify a group of objects.	5, 14, 16, 17, 19, 22, 23, 24, 34, 46, 51, 63, 66, 68, 76, 79, 111, 137, 148	5, 18, 23, 24

<b>Objective 2: Identify, duplicate, describe, and extend simple repeating and growing patterns.</b>		
a. Identify and describe simple repeating patterns with numbers and shapes.	12, 13, 18, 38, 39, 41, 69, 72, 91, 101, 112, 127, 134, 148	11, 12, 22
b. Duplicate and extend simple repeating patterns with numbers and shapes.	12, 13, 18, 38, 39, 41, 69, 72, 91, 101, 112, 127, 134, 148	11, 12, 22
c. Describe simple growing patterns with shapes.	12, 13, 38, 41, 134, 148	
d. Identify simple patterns in the environment.	18	16

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<h2 style="margin: 0;">Standard 3</h2> <h3 style="margin: 0;">Students will understand basic geometry and measurement concepts as well as collect and organize data.</h3>
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<b>Objective 1: Identify and create simple geometric shapes and describe simple spatial relationships.</b>
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a. Identify, name, describe, and draw circles, triangles, rectangles, and squares in various sizes and orientations.	*17, 19, 43, 48, 58, 61, 86, 128, 134 Symmetry 92 Flips, Slides, Turns 141	5, 8, 9, 15, 17, 16, 19
b. Combine shapes to create two-dimensional objects (e.g., using a triangle and square to create a picture of a house).	*139	8, *16, 17, 19
c. Use words to describe position and distance.	1, 3, 4, 6, 7, 9, 11, 17, 24, 29, 74, 109, 116, 119, 128, 139, 141	5, 9, 10, 17
d. Investigate two- and three-dimensional shapes including hexagons, trapezoids, spheres, cubes, and cones.		

<b>Objective 2: Identify and use measurable attributes of objects and units of measurement.</b>
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a. Identify clocks and calendars as tools that measure time.	2, 57, 73, 78, 82, 83	
b. Identify a day, week, and month on a calendar and name the days of the week in order.	2, 53, 73, 82, 87, 88	
c. Identify pennies, nickels, dimes, and quarters as units of money.	67, 77, 102, 107, 117, 132, 137	
d. Compare two objects by measurable attributes (i.e., length, weight) and order several objects by measurable attributes (i.e., length, weight).	19, 24, 34, 39, 94, 114, 119, 126 Volume 54, Capacity 84, Temperature 129	13, 21

<b>Objective 3: Collect and organize simple data.</b>
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a. Pose questions and gather data about self and surroundings.	4, 11, 34, 35, 54, 94, 104, 111, 114, 129, 140, 153, 154, 155	
b. Organize data obtained from sorting and classifying objects.	4, 11, 34, 35, 54, 94, 104, 111, 114, 129, 140, 153, 154, 155	