



Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Exercises
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NUMBER AND OPERATIONS

Count, write, and order numbers
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N.ME.00.01 Count objects in sets up to 30.	8, 10, 15, 16, 17, 20, 21, 22, 25, 30, 31, 32, 36, 37, 40, 44, 45, 50, 52, 55, 56, 58, 60, 65, 71, 80, 85, 89, 90, 95, 96, 98, 100, 105, 108, 110, 115, 120, 122, 124 Ordinals 27, 59, 75	6, 7 Ordinals 10
N.ME.00.02 Use one-to-one correspondence to compare and order sets of objects to 30 using phrases such as “same number”, “more than”, or “less than”; use counting and matching.	21, 26, 28, 31, 32, 33, 36, 37, 42, 44, 49, 52, 55, 56, 58, 62, 122	
N.ME.00.03 Compare and order numbers to 30 using phrases such as “more than” or “less than.”	118, 148, 152	
N.ME.00.04 Read and write numbers to 30 and connect them to the quantities they represent.	8, 10, 15, 16, 20, 25, 28, 30, 40, 44, 45, 50, 56, 58, 60, 61, 65, 69, 71, 73, 80, 89, 90, 91, 95, 98, 100, 101, 105, 108, 110, 112, 115, 116, 120, 124, 125, 127, 130, 135, 144	1, 2, 3, 4, 6, 7, 10, 11, 12, 14, 19, 20, 22
N.ME.00.05 Count orally to 100 by ones. Count to 30 by 2’s, 5’s and 10’s using grouped objects as needed.	8, 10, 15, 16, 20, 25, 30, 31, 40, 45, 50, 52, 60, 65, 69, 80, 89, 90, 95, 100, 105, 108, 110, 112, 115, 120, 124, 125, 130, 144 Money 67, 77, 102, 107, 117, 132, 137	3, 7, 11, 12, 14, 20, 22

Compose and decompose numbers

N.ME.00.06 Understand the numbers 1 to 30 as having one, or two, or three groups of ten and some ones. Also count by tens with objects in ten-groups to 100.	60, 65, 80, 90, 95, 100, *102, 105, *107, 110, 120, 125, 130, *132, 135, 144	22
N.MR.00.07 Compose and decompose numbers from 2 to 10, e.g., $5 = 4 + 1 = 2 + 3$, with attention to the additive structure of number systems, e.g., 6 is one more than 5, 7 is one more than 6.	42, 47, 62, 70, 71, 81, 85, 86, 93, 96, 97, 99, 102, 103, 106, 116, 123, 131, 133, 136, 138, 142, 143, 145, 146, 147, 148, 149, 150	
N.MR.00.08 Describe and make drawings to represent situations/stories involving putting together and taking apart for totals up to 10; use finger and object counting.	42, 47, 49, 62, 64, 70, 71, 81, 85, 86, 93, 96, 97, 99, 103, 106, 107, 109, 113, 116, 121, 123, 131, 147, 151	



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Add and subtract numbers		
N.MR.00.09 Record mathematical thinking by writing simple addition and subtraction sentences, e.g., $7 + 2 = 9$, $10 - 8 = 2$.	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	
Explore number patterns		
N.MR.00.10 Create, describe, and extend simple number patterns.	69, 91, 101, 112, 125, 127, 130, 135, 144	
MEASUREMENT		
Explore concepts of time		
M.UN.00.01 Know and use the common words for the parts of the day (morning, afternoon, evening, night) and relative time (yesterday, today, tomorrow, last week, next year).	2, 57, 87, 88	
M.TE.00.02 Identify tools that measure time (clocks measure hours and minutes; calendars measure days, weeks, and months).	2, 53, 57, 73, 78, 82, 83, 87, 88	
M.UN.00.03 Identify daily landmark times to the nearest hour (lunchtime is 12 o'clock; bedtime is 8 o'clock).	57, *78, *82, *83	
Explore other measurement attributes		
M.UN.00.04 Compare two or more objects by length, weight and capacity, e.g., which is shorter, longer, taller?	11, 19, 24, 34, 39, 84, 94, 114, 119, 126 Volume 54 Temperature 129	13, 21 Temperature 23
M.PS.00.05 Compare length and weight of objects by comparing to reference objects, and use terms such as shorter, longer, taller, lighter, heavier.	11, 19, 24, 34, 39, 84, 94, 114, 119, 126 Volume 54 Temperature 129	13, 21 Temperature 23

*Gives opportunity to teach specific State Standard



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GEOMETRY		
Create, explore, and describe shapes		
G.GS.00.01 Relate familiar three-dimensional objects inside and outside the classroom to their geometric name, e.g., ball/sphere, box/cube, soup can/cylinder, ice cream cone/cone, refrigerator/prism.	1, 43, 48, 61, 92, 95, 128, 141	*5, *8, 15, 17, 19
G.GS.00.02 Identify, sort, and classify objects by attribute and identify objects that do not belong in a particular group.	5, 14, 17, 22, 23, 35, 46, 51, 63, 66, 68, 76, 79, 111, 153 Position 1, 3, 4, 6, 7, 9, 27, 29, 74, 128, 139	5, 23, 24 Position 9, 10, 17
Explore geometric patterns		
G.GS.00.03 Create, describe, and extend simple geometric patterns.	12, 13, 38, 41, 72, 134 Probability / Graphs 104, 111, 140, 153, 154, 155	Probability / Graphs 18