

## California 2<sup>nd</sup> Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	California Standard / Objective
L1	Learning the addition and subtraction <i>facts</i> up through nine	Number Sense: 1.1, 2.1, 2.2, Algebra/Functions: 1.1, 1.2, 1.3, Mathematical Reasoning: 1.2, 3.0
L2	Filling in missing numbers when counting by one (zero through nine)	Number Sense: 2.2 Statistics: 2.1, 2.2
L3	Evaluating numbers using the words <i>most, least, greatest value</i> and <i>least value</i>	Number Sense: 2.2
L4	Adding 3 one-digit numbers	Number Sense: 2.2,
L5	Interpreting <i>tally charts</i>	Statistics: 1.1, 1.2, 1.3, 1.4
L6	Calculating a number 1 more or less than a given number	Number Sense: 2.3 Algebra & Functions: 1.2, 1.3
L7	Recognizing the ordinals <i>first</i> through <i>fifth</i>	Number Sense: 1.1, 2.2
L8	Recognizing the shapes - circles, triangles, squares and rectangles	Number Sense: 2.2 Measurement & Geometry: 2.1
L9	Learning the addition facts of ten and eleven	Number Sense: 1.1, 1.2, 2.2 Algebra/Functions: 1.2, 1.3 Statistics, Data Analysis, Probability: 1.2
L10	Reasoning using <i>overlapping figures</i>	Measurement & Geometry: 2.1
L11	Adding and subtracting a two-digit and a one-digit number; and calculating a number 1 more or less than a given number	Number Sense: 2.2, 2.3 Algebra/Functions: 1.2, 1.3
L12	Recognizing the symbols and terms < <i>less than</i> , > <i>greater than</i> , = <i>equal</i>	Number Sense: 1.3, 2.2
L13	Learning the subtraction facts of 10 and 11	Number Sense: 2.2, 2.3
L14	Putting 3 two-digit numbers in order	Number Sense: 1.3, 2.2 Statistics, Data Analysis, Probability: 2.1, 2.2
L15	Interpreting information given in <i>picture graphs</i>	Statistics, Data Analysis, Probability: 1.3, 1.4
L16	Adding and subtracting 2 two-digit numbers; and adding 3 one-digit numbers with a sum less than twenty	Number Sense: 1.1, 2.2, 2.3
L17	Recognizing the words for numerals - <i>zero</i> through <i>ten</i>	Number Sense: 1.1, 1.2, 2.2
L18	Filling in missing numbers when counting up to and <i>crossing a ten</i>	Number Sense: 2.2 Statistics, Data Analysis, Probability: 2.1, 2.2
L19	Telling time by the hour on an analog clock	Number Sense: 2.2 Measurement & Geometry: 1.4, 1.5
L20	Recognizing addition and subtraction fact families	Number Sense: 2.1, 2.2 Algebra/Functions: 1.1, 1.2, 1.3 Mathematical Reasoning: 3.0
L21	Adding 3 one-digit numbers horizontally	Number Sense: 1.3, 2.2 Algebra/Functions: 1.2, 1.3
L22	<i>Regrouping</i> using the facts of ten when adding a two-digit and a one-digit number	Number Sense: 1.1, 1.2, 1.3, 2.2

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L23	Continued - Regrouping using the facts of ten when adding a two-digit and a one-digit number	Number Sense: 1.2, 1.3, 2.2, 2.3 Algebra/Functions: 1.2, 1.3
L24	Recognizing the words <i>twenty</i> , <i>thirty</i> , <i>forty</i> and <i>fifty</i>	Number Sense: 1.1, 1.2, 2.2
L25	Determining <i>probability</i> using a spinner	Statistics, Data Analysis, Probability: 1.5, 1.2, 1.3, 1.4 Mathematical Reasoning: 1.1, 2.1, 2.2
L26	Filling in missing numbers when counting down and crossing a ten	Number Sense: 2.2 Statistics, Data Analysis, Probability: 2.1, 2.2
L27	Solving story problems using a five-step process using addition and subtraction	Algebra/Functions: 1.2 Mathematical Reasoning: 1.1, 2.1, 2.2
L28	Recognizing the words <i>eleven</i> , <i>twelve</i> , <i>thirteen</i> and <i>fourteen</i> ; learning addition facts of 12 and 13	Number Sense: 1.1, 2.1, 2.2 Algebra/Functions: 1.1, 1.2, 1.3 Mathematical Reasoning: 3.0
L29	Recognizing <i>half past</i> on the clock	Measurement & Geometry: 1.4, 1.5
L30	Evaluating information to see if it is <i>sufficient</i> to answer the question	Mathematical Reasoning: 1.1, 2.1
L31	Regrouping when adding 2 two-digit numbers using the sums of ten	Number Sense: 1.1, 1.2, 2.2 Algebra/Functions: 1.2
L32	Continued - Regrouping when adding 2 two-digit numbers using the sums of ten	Number Sense: 1.1, 1.2, 2.2 Algebra/Functions: 1.2, 1.3
L33	Recognizing the words <i>sixty</i> , <i>seventy</i> , <i>eighty</i> and <i>ninety</i> ; solving word problems when there are no calculations	Number Sense: 1.1, 1.2 Mathematical Reasoning: 1.1, 2.1
L34	Adding 3 two-digit numbers without regrouping	Number Sense: 2.2
L35	Interpreting <i>pie graphs</i> ; calculating possible outcomes	Statistics, Data Analysis, Probability: 1.1, 1.2, 1.3, 1.4 Mathematical Reasoning: 1.1, 1.2
L36	Learning the addition facts of 14 and 15; learning a square is also a rectangle	Number Sense: 1.1, 2.1, 2.2, 2.3 Algebra/Functions: 1.1 Mathematical Reasoning: 3.0
L37	Recognizing by what number a sequence is counting	Statistics, Data Analysis, Probability: 2.1, 2.2
L38	Recognizing the words <i>fifteen</i> , <i>sixteen</i> , <i>seventeen</i> , <i>eighteen</i> and <i>nineteen</i> ; filling in a missing number in a number sentence involving addition	Number Sense: 1.1, 1.2, 1.3 Algebra/Functions: 1.2
L39	Regrouping using the addition facts of eleven	Number Sense: 1.2, 1.3, 2.2, 2.3 Algebra/Functions: 1.2
L40	Putting a <i>series of events</i> in order	Mathematical Reasoning: 1.1, 2.1
L41	Recognizing any number less than 100	Number Sense: 1.1, 1.2, 2.2
L42	Learning the subtraction facts of 12 and 13	Number Sense: 1.2, 2.2, 2.3 Algebra/Functions: 1.2
L43	Recognizing the coins - <i>quarter</i> , <i>dime</i> , <i>nickel</i> and <i>penny</i>	Number Sense: 2.2, 5.1, 5.2

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L44	Learning the days of the week	Number Sense: 2.2
L45	Recognizing a <i>quarter to</i> and a <i>quarter past</i> the hour	Measurement & Geometry: 1.4, 1.5
L46	Adding 3 two-digit numbers with regrouping	Number Sense: 1.1, 1.2, 2.2
L47	Filling in missing numbers when counting by 5 or 10	Number Sense: 3.1 Statistics, Data Analysis, Probability: 2.1, 2.2 Mathematical Reasoning: 3.0
L48	Learning the addition facts of 16, 17 and 18	Number Sense: 1.1, 1.2, 1.3, 2.1, 2.2, 2.3 Algebra/Functions: 1.1, 1.2 Mathematical Reasoning: 3.0
L49	Regrouping using the addition facts of 12	Number Sense: 1.2, 1.3, 2.2
L50	Interpreting information from <i>bar graphs</i>	Statistics, Data Analysis, Probability: 1.2, 1.3, 1.4
L51	Continued - Regrouping using the addition facts of 12; adding 4 one-digit numbers	Number Sense: 1.2, 1.3, 2.2 Algebra/Functions: 1.2
L52	Filling in a missing number in a number sentence involving addition	Number Sense: 1.3, 2.2 Algebra/Functions: 1.2
L53	Reading scales and other measuring devices	Number Sense: 2.2 Measurement & Geometry: 1.2
L54	Grouping items by tens	Number Sense: 1.1, 1.2, 2.2
L55	Learning the names for units of <i>length</i> ( <i>inch, foot, yard, centimeter, meter, kilometer</i> )	Measurement & Geometry: 1.2
L56	Learning the subtraction facts of 14 and 15	Number Sense: 1.2, 1.3, 2.1, 2.2 Algebra/Functions: 1.2, 1.3 Mathematical Reasoning: 3.0
L57	Solving story problems with <i>extraneous information</i> and the phrase <i>more than</i>	Number Sense: 2.2 Algebra/Functions: 1.2 Mathematical Reasoning: 2.1, 2.2
L58	Filling in a missing number in a number sentence involving subtraction	Number Sense: 1.3, 2.2, 2.3 Algebra/Functions: 1.2, 1.3
L59	Regrouping using the addition facts of 13	Number Sense: 2.2
L60	Learning the names for units of <i>weight</i> ( <i>ounce, pound, ton, gram, kilogram</i> )	Measurement & Geometry: 1.2
L61	Putting four numbers in order from <i>least to greatest</i>	Number Sense: 2.2 Statistics, Data Analysis, Probability: 2.2
L62	Telling time by 5 minutes	Number Sense: 2.2 Statistics, Data Analysis, Probability: 2.1
L63	Solving <i>fractional part</i> problems modeled with shading and figures	Number Sense: 4.1, 4.2
L64	Writing numbers that are represented in units of tens and ones	Number Sense: 1.1, 1.2, 2.2
L65	Learning the names for units of <i>volume</i> ( <i>cup, pint, quart, gallon, liter</i> )	Measurement & Geometry: 1.2
L66	Solving story problems involving money	Number Sense: Number Sense: 2.2, 5.1, 5.2 Algebra/Functions: 1.2

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L67	Learning the subtraction facts of 16, 17, and 18	Number Sense: 1.2, 2.1, 2.2, 2.3 Algebra/Functions: 1.1, 1.2 Mathematical Reasoning: 3.0
L68	Regrouping using the addition facts of 14	Number Sense: 2.2
L69	Telling time to the minute	Number Sense: 2.2 Measurement & Geometry: 1.4
L70	Filling in a missing number when counting by two	Statistics, Data Analysis, Probability: 2.1, 2.2
L71	Regrouping using subtraction facts of 10 when subtracting a one-digit from a two-digit number	Number Sense: 1.1, 1.2, 2.2, 2.3
L72	Continued - Regrouping using subtraction facts of 10 when subtracting a one-digit from a two-digit number	Number Sense: 1.1, 1.2, 2.2, 2.3
L73	Putting 4 two-digit numbers in order from greatest to least	Number Sense: 1.1, 1.2, 2.2 Statistics, Data Analysis, Probability: 2.1
L74	Learning about ones and tens pieces	Number Sense: 1.1, 1.2, 1.3
L75	Recognizing <i>lines of symmetry</i>	Measurement & Geometry: *2.1
L76	Regrouping using the addition facts of 15, 16, 17, and 18; recognizing ordinals <i>sixth</i> through <i>tenth</i>	Number Sense: 1.1, 1.2
L77	Calculating one-half of a group of up to 10 things; even and odd numbers	Number Sense: 2.2, 4.1, 4.2
L78	Recognizing shapes with common characteristics	Measurement & Geometry: 2.1
L79	Recognizing the <i>dollar symbol</i> and <i>decimal</i> ; adding and subtracting money amounts	Number Sense: 2.2, 5.2
L80	Selecting the correct fraction; defining <i>numerator</i> and <i>denominator</i>	Number Sense: 4.1, 4.2, 4.3
L81	Solving story problems involving the <i>comparative</i> words “less than” and “greater than”	Number Sense: 2.2 Algebra/Functions: 1.2 Measurement & Geometry: 1.5 Mathematical Reasoning: 1.1, 2.1, 2.2
L82	Regrouping when subtracting a two-digit number from a two-digit number using subtraction facts of 10	Number Sense: 1.1, 1.2, 2.2
L83	Learning <i>change equivalents</i> for a quarter, dime and nickel.	Number Sense: 2.2, 5.1 Algebra/Functions: 1.2
L84	Measuring a <i>line segment</i> to the nearest inch	Number Sense: 2.2, 6.1 Measurement & Geometry: 1.1, 1.2, 1.3
L85	Measuring a <i>line segment</i> to the nearest centimeter	Number Sense: 6.1 Measurement & Geometry: 1.1, 1.2, 1.3
L86	Adding and subtracting money amounts horizontally	Number Sense: 5.1
L87	Filling in missing numbers when counting by two and <i>crossing a ten</i>	Number Sense: 2.2 Statistics, Data Analysis, Probability: 2.1, 2.2

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L88	Regrouping using the subtraction facts of 11	Number Sense: 1.1, 1.2, 2.2
L89	Calculating the minutes before an hour	Measurement & Geometry: 1.4
L90	Computing the <i>area</i> of a <i>plane figure</i> given in <i>square units</i>	Number Sense: 2.2 Measurement & Geometry: *1.3
L91	Recognizing the hundreds place	Number Sense: 1.1, 1.2
L92	Recognizing any number to 999; not having zeros; adding and subtracting two three-digit numbers	Number Sense: 1.1, 1.2, 2.2
L93	Recognizing a sequence counting by ten (23, 33, 43, 53)	Statistics, Data Analysis, Probability: 2.1, 2.2
L94	Regrouping using the subtraction facts of 12 and 13	Number Sense: 1.1, 1.2, 2.2
L95	Solving multiplication word problems using models and pictures	Number Sense: 3.1 Mathematical Reasoning: 3.0
L96	Recognizing patterns of shading	Statistics, Data Analysis, Probability: 2.1
L97	Calculating a number more or less than a given number; solving addition and subtraction problems given in words	Number Sense: 1.1, 1.2, 2.2, 2.3
L98	Telling time within so many hours, on the hour	Number Sense: 2.2 Measurement & Geometry: 1.4, 1.5
L99	Recognizing <i>odd</i> and <i>even</i> numbers, up to 10	Number Sense: 2.2, 4.1 Statistics, Data Analysis, Probability: 2.1, 2.2
L100	Calculating probability from <i>possible outcomes</i>	Algebra/Functions: 1.3 Statistics, Data Analysis, Probability: 1.2, 1.3, 1.4
L101	Completing a <i>pattern of shapes</i>	Number Sense: 2.2 Statistics, Data Analysis, Probability: 2.1
L102	Learning the <i>order of operations</i> when <i>parentheses</i> are involved	Algebra/Functions: 1.1, 1.2
L103	Performing a calculation and then filling in a missing number in a number sentence	Number Sense: 2.2 Algebra/Functions: 1.2
L104	Solving <i>two-step word problems</i>	Number Sense: 2.2, 2.3 Mathematical Reasoning: 1.1, 2.1, 2.2
L105	Counting by two when interpreting information in picture graphs	Algebra/Functions: 1.3 Statistics, Data Analysis, Probability: 1.3, 1.4
L106	Regrouping to the tens place when adding 2 three-digit numbers	Number Sense: 2.2 Algebra/Functions: 1.2
L107	Regrouping with subtraction facts of 14 and 15.	Number Sense: 1.1, 1.3, 2.2 Algebra/Functions: 1.2
L108	Learning the <i>multiplication facts</i> with products up to 10 and products with two as a factor	Number Sense: 2.2, 3.1, 3.3 Mathematical Reasoning: 3.0
L109	Recognizing money number words ( <i>cents</i> and <i>dollar</i> ); writing change with a \$ and a decimal	Number Sense: 2.2
L110	Recognizing <i>three-dimensional figures</i>	Measurement & Geometry: 2.1

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L111	Recognizing odd and even numbers up to 20; calculating one-half of a group up to 20	Number Sense: 2.2, 4.1, 4.2 Mathematical Reasoning: 1.1, 1.2
L112	Discerning true number sentences using < <b>less than</b> , > <b>greater than</b> , = equal and <b>≠ not equal</b> ; defining the term <i>equation</i>	Number Sense: 1.3, 2.2
L113	Solving division story problems by selecting the correct model	Number Sense: 3.2, 4.2 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2, 3.0
L114	Continued - Solving division story problems by selecting the correct model	Number Sense: 2.2, 3.2, 4.2 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2, 3.0
L115	Learning division facts with dividends up to 14 by dividing into equal parts	Number Sense: 3.2
L116	Regrouping with the tens place when subtracting 2 three-digit numbers	Number Sense: 1.1, 2.2
L117	Selecting the correct equation when given a story problem	Algebra/Functions: 1.2 Statistics, Data Analysis, Probability: 1.2
L118	Regrouping with subtraction using subtraction facts of 16, 17 and 18; adding 4 two-digit numbers	Number Sense: 1.1, 2.2
L119	Recognizing a <i>half dollar</i> ; learning which coins to use to buy something	Number Sense: 2.2, 5.1, 5.2
L120	Learning that the <i>whole</i> is the <i>sum of its parts</i>	Number Sense: 4.3
L121	Learning the multiplication facts with products using 5 as a factor	Number Sense: 3.1, 3.3
L122	Regrouping with the hundreds place when adding	Number Sense: 1.1, 1.2
L123	Solving <i>place value</i> problems with a zero in the tens or ones place	Number Sense: 1.1, 1.2
L124	Using pairs of numbers in < less than, > greater than, and = equal to problems	Number Sense: 1.3, 3.3
L125	Learning to solve word problems using multiplication	Number Sense: 3.1 Mathematical Reasoning: 1.1, 2.1, 2.2, 3.0
L126	Learning to match numbers with fractional parts of a circle	Number Sense: 2.2, 4.2 Measurement & Geometry: 2.1
L127	Learning to solve word problems involving division when given pictures	Number Sense: 3.2 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2
L128	Continued - Learning to solve word problems involving division when given pictures	Number Sense: 3.2 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2
L129	Regrouping only with the hundreds place when subtracting	Number Sense: 1.1, 1.2, 2.2
L130	Using <i>deductive reasoning</i> to solve a story problem	Mathematical Reasoning: 1.1, 1.2, 2.1
L131	Learning the multiplication facts with products up to 20	Number Sense: 2.2, 3.1, 3.3 Mathematical Reasoning: 3.0

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Lesson (Activity) Number	Excel Math Lesson Objective	California Standard / Objective
L132	Calculating <i>perimeters</i> to the nearest inch or centimeter	Measurement & Geometry: *1.3
L133	Regrouping twice when adding 2 three-digit numbers; adding 3 three-digit numbers, regrouping once	Number Sense: 2.2, 2.3
L134	Calculating the date within one week going forward	Number Sense: 3.3 Measurement & Geometry: 1.5
L135	Learning to recognize flips, turns and slides	Measurement & Geometry: 2.1, 2.2
L136	Learning division facts with dividends up to 20	Number Sense: 3.2
L137	Recognizing <i>multiplication</i> and <i>division families</i>	Number Sense: 3.1, 3.2, 3.3
L138	Regrouping when adding or subtracting money amounts	Number Sense: 2.2, 3.3, 5.1, 5.2
L139	Regrouping twice when subtracting 2 three-digit numbers	Number Sense: 1.1, 1.2, 2.2, 3.3
L140	Regrouping twice when subtracting money amounts	Number Sense: 2.2, 3.3, 5.1, 5.2
L141	Learning the multiplication facts with products less than 100 and with 10 or 11 as a factor	Number Sense: 3.1 Mathematical Reasoning: 3.0
L142	Evaluating three-digit numbers in < and > problems and <i>put-in-order problems</i>	Number Sense: 1.3, 2.2, 3.3
L143	Telling time within so many hours, off the hour	Measurement & Geometry: 1.4, 1.5
L144	Learning to recognize when figures are <i>similar</i> or <i>congruent</i>	Measurement & Geometry: 2.1
L145	Subtracting three-digit numbers, regrouping twice, when there is a 1 or 0 in the tens place	Number Sense: 1.1, 1.2, 2.2
L146	Regrouping twice when adding 3 three-digit numbers	Number Sense: 2.2, 3.3
L147	Adding 3 or 4 one-digit numbers where the sum is greater than 19 and less than 30	Number Sense: 2.2, 3.3
L148	Recognizing any number up to 999	Number Sense: 1.1, 1.2, 2.2
L149	Learning the <i>dollar equivalents</i> for half dollars, quarters and dimes	Number Sense: 3.3, 5.1, 5.2
L150	Adding and subtracting fractions	Number Sense: 4.1, 4.2, 4.3
L151	Recognizing the names of the months of the year	Number Sense: 2.2 Measurement & Geometry: 1.4, 1.5
L152	Learning <i>division facts</i> when the dividend is a multiple of 5	Number Sense: 3.2, 3.3 Algebra/Functions: 1.2
L153	Learning to solve word problems involving division	Number Sense: 3.2, 3.3 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2,
L154	Continued - Learning to solve word problems involving division	Number Sense: 3.2, 3.3 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2,
L155	Recognizing <i>equivalent fractions</i> in pictures	Number Sense: 4.1, 4.2, 4.3

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Measurement Activity- Volume	1 - Volume – Non-standard units 2 - Volume – Non-standard units	Algebra/Functions: 1.3 Measurement & Geometry: 1.2
Measurement Activity- Volume	3 – Volume – Cups & pints 4 – Volume – Cups & quarts 5 – Volume – Cups & pints 6 – Volume – Pints & quarts 7– Volume – Pints & gallons 8– Volume – Cups & liters	Algebra/Functions: 1.3 Measurement & Geometry: 1.2
Measurement Activity- Weight	1 – Weight – Non-standard units 2 – Weight – Non-standard units	Measurement & Geometry: 1.2
Measurement Activity- Weight	3 – Weight – Ounces 4 – Weight – Pounds 5 – Weight – Pounds 6 – Weight – Kilograms 7– Weight – Pounds & kilograms	Measurement & Geometry: 1.2
Measurement Activity- Distance	1 – Distance – Non-standard 2 – Distance – Non-standard	Measurement & Geometry: 1.1
Measurement Activity- Distance	3 – Distance – Length - Inches 4 – Distance – Length - Centimeters 5 – Distance – Length – Inches and centimeters 6 – Distance – Length – Feet, yards, meters	Measurement & Geometry: 1.1
Activity 1	Probability Grid	Algebra/Functions: 1.3 Statistics, Data Analysis, Probability: 1.1, 1.2, 1.3, 1.4 Mathematical Reasoning: 3.0
Activity 2	Fractional Parts	Number Sense: 4.1, 4.3, 6.1
Activity 3	Deductive Reasoning	Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2
Activity 4	Asking Questions	Mathematical Reasoning: 1.1, 1.2, 2.1
Activity 5	Deductive Reasoning	Algebra/Functions: 1.3 Statistics, Data Analysis, Probability: 1.1, 1.2, 1.3, 1.4 Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2
Activity 6	Scheduling Teams	Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2
Activity 7	Strength of Figures	Measurement & Geometry: 1.1, 2.1, 2.2
Activity 8	Facts and Opinions	Mathematical Reasoning: 1.1, 2.1
Activity 9	Balancing Scales	Number Sense: 6.1 Measurement & Geometry: 1.2 Mathematical Reasoning: 1.1, 1.2
Activity 10	Advertising Information	Mathematical Reasoning: 1.1, 1.2, 2.1, 3.0
Activity 11	Lines of Symmetry	Measurement & Geometry: 2.1
Activity 12	Strength of Figures	Measurement & Geometry: 2.1, 2.2
Activity 13	Pieces on a Grid	Measurement & Geometry: 2.1, 2.2
Activity 14	Frogs on a Pad	Mathematical Reasoning: 1.1, 1.2, 2.1, 2.2



Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<b>NUMBER SENSE</b>		
<b>1. Students understand the relationship among numbers, quantities and place value in whole numbers up to 1000.</b>		
1.1 Count, read, write whole numbers to 1,000 and identify the place value for each digit	1, 7, 9, 16, 17, 22, 24, 28, 31, 32, 33, 36, 38, 41, 46, 48, 54, 64, 72, 73, 74, 76, 82, 88, 91, 92, 94, 97, 107, 116, 118, 122, 123, 129, 139, 145, 148	
1.2 Use words, models and expanded form to represent numbers (to 1,000)	9, 17, 22, 23, 24, 31, 32, 33, 38, 39, 41, 42, 46, 48, 49, 51, 54, 56, 64, 67, 72, 73, 74, 76, 82, 88, 91, 92, 94, 97, 122, 123, 129, 139, 145, 148	
1.3 Order and compare whole numbers up to 1,000 using the symbols <, =, >	12, 14, 21, 22, 23, 38, 39, 48, 49, 51, 52, 56, 58, 74, 106, 107, 112, 124, 142	
<b>2. Students estimate, calculate and solve problems involving addition and subtraction of two- and three-digit numbers.</b>		
2.1 Understand and use the inverse relationship between addition and subtraction (e.g., an opposite number sentence for $8 + 6 = 14$ is $14 - 6 = 8$ ) to solve problems and check solutions	1, 20, 28, 36, 48, 56, 67	
2.2 Find the sum or difference of two whole numbers up to three digits long	1, 2, 3, 4, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 28, 31, 32, 34, 36, 39, 41, 42, 43, 44, 46, 48, 49, 51, 52, 53, 54, 56, 57, 58, 59, 61, 62, 64, 66, 67, 68, 69, 72, 73, 76, 77, 79, 81, 82, 83, 84, 87, 88, 90, 92, 94, 97, 98, 99, 101, 103, 106, 107, 108, 109, 111, 112, 114, 116, 118, 119, 126, 129, 131, 133, 138, 139, 140, 142, 145, 146, 147, 148, 151	
2.3 Use mental arithmetic to find the sum or difference of two 2-digit numbers	6, 11, 13, 16, 22, 23, 36, 39, 42, 48, 51, 58, 67, 97	
<b>3. Students model and solve simple problems involving multiplication and division.</b>		
3.1 Use repeated addition, arrays, counting by multiples to do multiplication	47, 95, 108, 121, 125, 131, 137, 141	
3.2 Use repeated subtraction, equal sharing and forming equal groups to do division with remainders	113, 114, 115, 127, 128, 136, 137, 152, 153, 154 (none with remainders)	



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3.3 Know the multiplication tables of 2s, 5s, and 10s (to “times 10”) and commit to memory	108, 121, 124, 131, 134, 137, 138, 139, 140, 142, 146, 147, 149, 151, 152, 154	42, 47, 97, 124, 151, 155
<b>4. Students understand that fractions and decimals can refer to parts of a set and parts of a whole.</b>		
4.1 Recognize, name and compare unit fractions up to 1/12	63, 77, 80, 99, 111, 120, 150, 155	Activity 2
4.2 Recognize fractions of a whole and parts of a group (e.g., 1/4th of a pie, 2/3rds of 15 balls)	63, 77, 80, 111, 113, 114, 120, 126, 150, 155	
4.3 Know that when all fractional parts are included, such as four-fourths, the result is equal to the whole and to one	80, 120, 150, 155	Activity 2
<b>5. Students model and solve problems by representing, adding and subtracting amounts of money.</b>		
5.1 Solve problems using combinations of coins and bills	43, 66, 83, 86, 119, 138, 149	108, 117, 123, 126, 132, 140, 146
5.2 Know and use the decimal notation and the dollar and cents symbols for money	43, 66, 79, 109, 119, 138, 149	108, 117, 123, 126, 132, 140, 146
<b>6. Students use estimation strategies in computation and problem solving that involve numbers that use the ones, tens, hundreds and thousands places.</b>		
6.1 Recognize when an estimate is reasonable in measurements (e.g., closest inch)	84, 85	28 Activity 2, 9

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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<b>ALGEBRA AND FUNCTIONS</b>		
<b>1. Students model, represent and interpret number relationships to create and solve problems involving addition and subtraction.</b>		
1.1 Use the commutative and associative rules to simplify mental calculations and check results	1, 20, 28, 36, 48, 67, 102, 103	22, 26, 31, 38, 39, 46, 51, 56, 60, 68
1.2 Relate problem situations and number sentences involving addition and subtraction	1, 6, 9, 11, 20, 21, 23, 27, 28, 31, 32, 38, 39, 42, 48, 51, 52, 56, 57, 58, 66, 67, 81, 83, 102, 103, 106, 107, 117, 147, 152	21, 25, 32, 33, 41, 45, 52, 57, 61, 65, 70, 75, 80, 82, 87, 90, 91, 95, 101, 109, 113, 114, 115, 119, 121, 125, 130, 134, 136, 137, 143, 147, 149, 150, 153, 155,
1.3 Solve addition and subtraction problems using data from simple charts, picture graphs and number sentences	1, 6, 9, 11, 20, 21, 23, 28, 31, 32, 56, 58, 100, 105	40, 49, 55, 104, 133 Activity 1, 5 Measurement Act. – Vol. 1, 2, 3, 4, 5, 6, 7
<b>MEASUREMENT AND GEOMETRY</b>		
<b>1. Students understand that measurement is accomplished by identifying a unit of measure, iterating (repeating) that unit and comparing it to the item to be measured.</b>		
1.1 Measure the length of objects by iterating (repeating) a non-standard or standard unit	84, 85, 90	Activity 7 Measurement Act. Dist. 1, 2, 3, 4, 5, 6
1.2 Use different units to measure the same object and predict whether the measure will be greater or smaller when a different unit is used	53, 55, 60, 65, 84, 85, 90	100, 118, 131 Meas. Act. Wgt/Bal – 9 Meas. Act. Vol. 1, 2, 3, 4, 5, 6, 7, 8 Meas. Act. Wgt 1, 2, 3, 4, 5, 6, 7
1.3 Measure the length of an object to the nearest inch and/or centimeter	84, 85 Area – 90 Perimeter - 132	
1.4 Tell time to the nearest quarter hour and know time relationships (e.g., minutes in an hour, days in a month, weeks in year)	19, 29, 45, 62, 69, 89, 98, 143	



Standards / Objectives	Excel/ Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
1.5 Determine the duration of time intervals in hours (e.g., 11:00 a.m. to 4:00 p.m.)	19, 29, 45, 81, 98, 134, 143	28
<b>2. Students identify and describe the elements that compose common figures in the plane and common objects in space.</b>		
2.1 Describe and classify plane and solid geometric shapes (e.g., circle, triangle, square, rectangle, sphere, pyramid, cube, rectangular prism) according to the number and shape of faces, edges and vertices	8, 10, 78, 110, 126, 135, 144	24, 36, 77, 85, 94, 105, 129, 139 Activity 7, 11, 12, 13
2.2 Put shapes together and take them apart to form other shapes (e.g., two congruent right triangles can form a rectangle)	135	23, 24, 34, 62, 66, 74, 77, 92, 103, 112, 138, 144 Activity 7, 12, 13
<b>STATISTICS, DATA ANALYSIS AND PROBABILITY</b>		
<b>1. Students collect, record, organize, display and interpret numerical data on bar graphs and other representations.</b>		
1.1 Record numerical data in systematic ways, keeping track of what/who has been counted	5, 25, 35	40, 49, 55, 104, 133 Activity 1, 5
1.2 Represent the same data set in more than one way (e.g., charts with tallies, and bar graphs)	5, 25, 35, 100	Activity 1, 5
1.3 Identify features of data sets (range and mode)	5, 15, 25, 35, 50, 100, 105	40, 49, 55, 104, 133 Activity 1, 5
1.4 Ask and answer simple questions related to data representations	5, 15, 25, 35, 50, 100, 105	81 Activity 1, 5
<b>2. Students demonstrate an understanding of patterns and how they grow, and describe them in general ways.</b>		
2.1 Recognize, describe, extend and explain how to get the next term in linear patterns (e.g., 4, 8, 12; the number of ears on 1 horse, 2 horses, 3 horses, 4 horses)	2, 14, 18, 26, 37, 47, 62, 70, 73, 87, 93, 96, 99, 101	40, 42, 47, 49, 55, 97, 124, 151, 152
2.2 Solve problems involving simple number patterns	2, 14, 18, 26, 37, 47, 61, 70, 87, 93, 99	21, 40, 42, 47, 49, 55, 96, 97, 124, 151, 152



Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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<b>MATHEMATICAL REASONING</b>		
<b>1. Students make decisions about how to set up a problem.</b>		
1.1 Decide about the approach, materials and strategies to use	25, 27, 30, 33, 35, 40, 81, 104, 111, 117, 127, 128, 130, 153, 154	29, 30, 35, 37, 43, 44, 50, 53, 55, 58, 59, 63, 67, 69, 71, 72, 73, 76, 78, 79, 83, 86, 88, 93, 99, 102, 107, 108, 110, 111, 116, 117, 120, 121, 123, 126, 132, 140, 145, 148, 154  Activity 3, 4, 5, 6, 8, 9, 10, 14
1.2 Use tools such as manipulatives or sketches to model problems	1, 9, 35, 104, 111, 127, 128, 130, 153, 154	Activity 3, 4, 5, 6, 9, 10, 14
<b>2. Students solve problems and justify their reasoning.</b>		
2.1 Defend the reasoning used and justify the procedures selected	25, 27, 30, 33, 40, 57, 81, 104, 127, 128, 130, 153, 154	22, 26, 31, 38, 39, 46, 51, 56, 60, 68  Activity 3, 4, 5, 6, 8, 10, 14
2.2 Make precise calculations and check the validity of the results from the context of the problem	25, 27, 57, 81, 104, 127, 128, 153, 154	Activity 3, 5, 6, 14
<b>3. Students note connections between one problem and another.</b>		
	1, 20, 28, 36, 47, 48, 56, 67, 95, 108, 121, 125, 131, 141	41, 45, 52, 57, 61, 65, 70, 75, 80, 82, 87, 95, 101, 109, 114, 119, 125, 130, 134, 137, 143, 147, 155  Activity 1, 10