

California 3rd Grade Standards / Excel Math Correlation by Lesson Number

Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	California Standard / Objective
L1	Learning about the tens place and the ones place; adding and subtracting two-digit numbers; learning addition and subtraction facts up to 10	Number Sense: 1.1, 1.3, 1.5, 2.1 Algebra / Functions: 1.1
L2	Recognizing a sequence counting by one, two, five or ten	Number Sense: 1.2 Algebra / Functions: 2.2
L3	Recognizing ordinals 1st to 19th counting from the left or the right	Number Sense: 1.1, 2.1
L4	Putting 3 two-digit numbers in order from least to greatest; recognizing the symbols $<$, $>$, $=$	Number Sense: 1.2, 1.3, 2.8 Algebra / Functions: 1.1, 1.3
L5	Calculating probability; interpreting information given in circle (pie) graphs	Statistics, Data Analysis, Probability: 1.1, 1.2
L6	Filling in missing number sequences when counting by 1, 2, 5, or 10; learning the addition facts of 11, 12 and 13	Number Sense: 1.2, 2.1
L7	Regrouping when adding 2 two-digit numbers using the facts of 10	Number Sense: 1.1, 1.3, 2.1
L8	Recognizing circles, triangles, squares and rectangles; adding and subtracting 3 two-digit numbers given in horizontal form	Number Sense: 2.1 Measurement / Geometry: 2.1, 2.3, 2.6
L9	Recognizing any number less than 100; calculating a number more or less than a given number	Number Sense: 1.1, 2.1, 2.8 Algebra / Functions: 1.1 Mathematical Reasoning: 1.2
L10	Drawing a map in order to solve a problem	Mathematical Reasoning: 1.1, 2.3
L11	Solving story problems using addition or subtraction	Number Sense: 2.1 Algebra / Functions: 1.1 Mathematical Reasoning: 1.1, 1.2
L12	Learning about the hundreds place; adding and subtracting three- digit numbers	Number Sense: 1.3, 1.5, 2.1
L13	Learning addition facts of 14-18; putting 4 two-digit numbers in order	Number Sense: 1.2, 2.1 Algebra / Functions: 1.1
L14	Regrouping using the addition facts of 11, 12, and 13	Number Sense: 1.3, 1.5, 2.1
L15	Evaluating information to see if it is sufficient to answer the question	Mathematical Reasoning: 1.1
L16	Recognizing coins; learning change equivalents	Number Sense: 2.1 Algebra / Functions: 1.1 Mathematical Reasoning: 1.2
L17	Learning the subtraction facts of 11, 12 and 13	Number Sense: 2.1
L18	Telling time to the minute and half past the hour	Measurement / Geometry: 1.4
L19	Adding with regrouping, using the facts of 14-18	Number Sense: 1.3, 1.3, 2.1
L20	Interpreting information from vertical and horizontal bar graphs	Statistics, Data Analysis, Probability: 1.3, 1.4, 2.3



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L21	Evaluating number sentences using $<$, $>$, $=$ and \neq ; defining equation	Algebra / Functions: 1.1, 1.3
L22	Learning which coins to use to buy something; computing change in story problems	Number Sense: 2.1 Mathematical Reasoning: 1.2
L23	Regrouping when subtracting with the facts of 10, 11, 12, and 13	Number Sense: 1.3, 1.5, 2.1
L24	Learning the subtraction facts of 14-18	Number Sense: 2.1 Algebra / Functions: 1.1
L25	Using deductive reasoning to solve a story problem	Statistics, Data Analysis, Probability: 1.1 Mathematical Reasoning: 1.1
L26	Calculating the date within one week in the future; Learning the days of the week	Number Sense: 2.1 Algebra / Functions: 2.1, 2.2 Mathematical Reasoning: 1.1, 1.2, 2.4
L27	Recognizing any number less than 1000; learning the months of the year	Number Sense: 1.1, 2.1
L28	Learning the order of operations when parentheses are involved	Number Sense: 2.1 Algebra / Functions: 1.1, 1.2
L29	Adding three-digit numbers, regrouping only to the tens place	Number Sense: 1.1, 2.1
L30	Determining possible combinations	Statistics, Data Analysis, Probability: 1.1, 1.3, 1.4 Mathematical Reasoning: 2.3, 2.4, 3.2
L31	Recognizing odd and even numbers up to 20; finding one-half of a group	Number Sense: 1.1, 2.1, 3.1
L32	Solving story problems involving comparisons	Number Sense: 2.1 Algebra / Functions: 1.1 Measurement / Geometry: 1.1
L33	Recognizing money words and symbols	Number Sense: 2.1, 2.7, 3.3
L34	Adding three-digit numbers, regrouping once to the tens or the hundreds place	Number Sense: 1.1, 1.3, 1.5
L35	Interpreting information from picture graphs	Number Sense: 2.1 Algebra / Functions: 1.2, 2.1 Mathematical Reasoning: 2.3, 3.3
L36	Calculating missing numbers in number sentences	Number Sense: 2.1 Algebra / Functions: 1.1, 1.2
L37	Recognizing a sequence counting by 3, 4 or 10 (31, 41, 51, 61)	Number Sense: 1.1, 1.2
L38	Comparing and putting 3 three-digit numbers in order	Number Sense: 1.2, 1.3, 2.1 Algebra / Functions: 1.3
L39	Multiplying single-digit numbers by 0, 1 or 2	Number Sense: 2.1, 2.2, 2.6, 2.8
L40	Solving two-step story problems	Number Sense: 2.1 Mathematical Reasoning: 1.1, 1.2, 2.4, 3.2
L41	Adding three-digit numbers, regrouping twice; defining a right angle and a square	Number Sense: 1.3, 2.1 Measurement / Geometry: 2.1, 2.3, 2.6
L42	Subtracting three-digit numbers, regrouping only with the tens place; regrouping using the minuends of 14-18	Number Sense: 1.3, 2.1
L43	Learning about the thousands place	Number Sense: 1.1, 1.2, 1.3, 2.1



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Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	California Standard / Objective
L44	Learning change equivalents up to \$1.00 with pennies, nickels, and dimes	Number Sense: 2.1
L45	Recognizing basic fact families	Number Sense: 1.1, 2.1
L46	Learning multiplication facts with products up to 20 and with 5 as a factor; recognizing odd and even numbers less than 100	Number Sense: 1.2, 2.2, 2.3 Algebra / Functions: 1.5
L47	Subtracting three-digit numbers, regrouping only with the tens or the hundreds place	Number Sense: 1.1, 1.3, 1.5, 2.1
L48	Filling in numbers in a sequence counting by 3, 4 or 10 (31, 41, 51, 61)	Number Sense: 1.2, 2.2
L49	Recognizing numbers less than 10,000 when the digit in the hundreds place is greater than zero	Number Sense: 1.1, 1.2, 1.3, 2.2,
L50	Learning standard units of weight, distance and volume	Measurement / Geometry: 1.1, *1.4
L51	Regrouping with money amounts	Number Sense: 2.1, 3.3
L52	Subtracting three-digit numbers, regrouping twice	Number Sense: 1.3, 2.1, 2.2
L53	Learning multiplication facts with factors of 10 (up to 90), 11 (up to 99) and 12 (up to 48); putting 4 three-digit numbers in order from greatest to least	Number Sense: 1.1, 1.2, 2.1, 2.2
L54	Solving fractional problems modeled with shading and groups of figures	Number Sense: 3.1
L55	Recognizing lines of symmetry	Measurement / Geometry: *2.6
L56	Measuring a line segment to the nearest inch or centimeter	Measurement / Geometry: 1.1, 1.4
L57	Using numbers given within parentheses to complete number sentences	Number Sense: 2.1, 2.2 Algebra / Functions: 1.1, 1.2
L58	Learning division facts with dividends up to 14 by dividing into equal parts	Number Sense: 2.1, 2.2, 3.1 Mathematical Reasoning: 1.2
L59	Learning division facts with dividends up to 14 by dividing into equal parts	Number Sense: 2.1, 2.2, 2.3, 3.1 Mathematical Reasoning: 1.2
L60	Rounding to the nearest ten using numbers less than 100	Number Sense: 1.4 Mathematical Reasoning: 2.5
L61	Multiplying a one-digit number times a two-digit number, no regrouping	Number Sense: 2.4 Algebra / Functions: 1.5
L62	Estimating standard and metric distance and weight measurements	Number Sense: *2.5 Algebra / Functions: 1.4 Measurement / Geometry: 1.1, 1.4 Mathematical Reasoning: 2.1
L63	Learning the names for standard units of weight, distance and volume	Measurement / Geometry: 1.1
L64	Subtracting three-digit numbers, regrouping twice with zeroes or a 1 in the tens place	Number Sense: 1.1, 1.3, 2.1, 2.2, 2.8

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L65	Telling time before the hour	Number Sense: 2.1 Measurement / Geometry: 1.4 Mathematical Reasoning: 2.4, 2.5, 2.6, 3.1, 3.2, 3.3
L66	Defining numerator and denominator; selecting the fraction that matches a given model	Number Sense: 3.1
L67	Adding four-digit numbers where the sum for a single place is greater than 19 and less than 30	Number Sense: 1.1, 1.5, 2.1, 2.2 Mathematical Reasoning: 1.2
L68	Solving story problems using multiplication; learning multiplication facts with products up to 30	Number Sense: 2.1, 2.2 Algebra / Functions: 1.5 Mathematical Reasoning: 1.1, 2.2, 2.3, 2.4, 2.6
L69	Recognizing three-dimensional figures	Number Sense: 2.1, 2.2 Measurement / Geometry: 2.5
L70	Putting a series of events in order	Mathematical Reasoning: 1.1, 3.1, 3.2
L71	Learning division facts with dividends up to 20	Number Sense: 2.1, 2.2, 2.3, 2.5, 2.8 Algebra / Functions: 1.5 Mathematical Reasoning: 1.2
L72	Computing the area of a plane figure given in square units	Number Sense: 2.5 Measurement / Geometry: 1.2
L73	Multiplying a one-digit number times a two-digit number with regrouping	Number Sense: 1.3, 2.1, 2.2, 2.4, 2.5, 2.8 Algebra / Functions: 1.5
L74	Learning the measurement equivalents for dozen, yards, feet and inches	Number Sense: 2.1, 2.2, 2.4, 2.5 Measurement / Geometry: 1.4
L75	Estimating answers to story problems, rounding to the nearest ten	Number Sense: 1.4, 3.3 Mathematical Reasoning: 2.1, 2.5
L76	Selecting the correct process in an equation; filling in a missing number in an equation	Number Sense: 2.2, 2.6 Algebra / Functions: 1.1, 1.2, 1.3, 1.5
L77	Completing a pattern of shapes; recognizing shapes with common characteristics	Algebra / Functions: 2.2 Measurement / Geometry: 2.1, 2.2, 2.3
L78	Recognizing “a quarter to” and “a quarter past” on the clock; estimating time on a circular clock without the hour or minute marks	Measurement / Geometry: 1.4 Mathematical Reasoning: 2.1, 2.5
L79	Recognizing any number less than 10,000	Number Sense: 1.1, 1.3, 1.5, 2.1, 2.5
L80	Completing number patterns that are in the form of a chart	Algebra / Functions: 2.1, 2.2 Mathematical Reasoning: 1.1, 2.3, 2.4, 2.6, 3.2, 3.3
L81	Solving for an unknown in an equation	Number Sense: 2.1, 2.2, 2.5 Algebra / Functions: 1.1, 1.2, 1.5
L82	Solving fractional part story problems; learning \$1.00 equivalents	Number Sense: 2.2, 3.1, 3.4 Algebra / Functions: 1.4 Mathematical Reasoning: 1.1, 1.2, 2.3, 2.4, 2.6, 3.1, 3.2, 3.3

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Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	California Standard / Objective
L83	Solving multi-step word problems involving time	Number Sense: 2.2, 2.5 Algebra / Functions: 1.1, 1.2, 1.4 Measurement / Geometry: 1.4 Mathematical Reasoning: 1.1, 1.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3
L84	Calculating the date within one week in the past	Number Sense: 2.1, 2.2, 2.4, 2.5 Statistics, Data Analysis, Probability: 1.3 Mathematical Reasoning: 1.2
L85	Estimating answers within a range	Number Sense: 1.4 Algebra / Functions: 2.1 Mathematical Reasoning: 2.1, 2.2, 2.5
L86	Calculating perimeters to the nearest inch or centimeter	Number Sense: 2.5 Measurement / Geometry: 1.3, 2.1
L87	Solving division story problems given models	Number Sense: 2.5 Mathematical Reasoning: 1.2
L88	Solving division story problems	Number Sense: 2.5 Mathematical Reasoning: 1.2
L89	Calculating the time in the future or in the past when the elapsed time is in hours	Number Sense: 2.5 Measurement / Geometry: 1.4
L90	Rounding to the nearest hundred or thousand	Number Sense: 1.4 Mathematical Reasoning: 2.1
L91	Multiplying a three-digit number by a one-digit number, regrouping only once	Number Sense: 2.4 Algebra / Functions: 1.5 Mathematical Reasoning: 1.2
L92	Learning the order of operations with multiplication and division when parentheses are involved	Number Sense: 2.1, 2.5 Algebra / Functions: 1.1, 1.2, 1.5
L93	Computing the quotient when there will be a remainder with dividends less than 11	Number Sense: *2.5, 2.6
L94	Continuing to compute the quotient when there will be a remainder with dividends less than 11	Number Sense: *2.5, 2.6
L95	Multiplying money by a one digit number, regrouping only once	Number Sense: 2.4, 3.3 Algebra / Functions: 1.5, 2.1
L96	Learning division facts with 5 as a factor	Number Sense: 2.1, 2.2, 2.3, 2.5 Algebra / Functions: 1.5
L97	Learning multiplication facts with products up to 40; recognizing a number sequence counting by 5 or 6	Number Sense: 1.2, 2.2, 2.5 Algebra / Functions: 1.5
L98	Finding the two-digit number closest to a given number	Number Sense: 1.2, 2.1, 2.5
L99	Evaluating more difficult number sentences with $<$, $>$, $=$ or \neq	Number Sense: 2.2, 2.5 Algebra / Functions: 1.1, 1.3
L100	Recognizing expanded notation for numbers less than 10,000	Number Sense: 1.3, 1.5
L101	Solving division problems with a one-digit divisor, two-digit dividend, two-digit quotient, and no regrouping or remainders	Number Sense: 2.5

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L102	Continuing to solve division problems with a one-digit divisor, two-digit dividend,	Number Sense: 2.5
L103	Continuing to solve division problems with a one-digit divisor, two-digit dividend, two-digit quotient, and no regrouping or remainders	Number Sense: 2.5
L104	Comparing and putting 3 four-digit numbers in order from greatest to least	Number Sense: 1.2, 2.5 Algebra / Functions: 1.1
L105	Choosing the correct equation to solve a story problem	Number Sense: 2.3 Algebra / Functions: 1.5 Mathematical Reasoning: 1.1, 1.2, 2.4, 2.6, 3.1
L106	Defining polygon, quadrilateral, parallelogram, pentagon, hexagon and octagon	Measurement / Geometry: 2.1, 2.3
L107	Learning to substitute numerical values for letters in an equation	Number Sense: 2.2, 2.5 Algebra / Functions: 1.1, 1.2, 1.5
L108	Measuring a line segment to the nearest half inch and half centimeter	Number Sense: 2.5 Measurement / Geometry: 1.1, 1.4
L109	Learning that the whole is the sum of its parts; adding fractions	Number Sense: 3.1, 3.2
L110	Identifying what information is needed to answer the question in a story problem	Mathematical Reasoning: 1.1
L111	Calculating quotients with remainders with dividends up to 20; solving story problems using division with remainders	Number Sense: *2.5 Mathematical Reasoning: 1.1, 1.2, *2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2
L112	Calculating elapsed time involving A.M. and P.M.	Measurement / Geometry: 1.4 Mathematical Reasoning: 1.2
L113	Filling in missing numbers in a sequence counting by 5 or 6; learning multiplication facts with products up to 50	Number Sense: 1.2, 2.2, 2.5
L114	Learning change equivalents; multiplying coins; calculating unit cost	Number Sense: 2.7, 3.3 Algebra / Functions: 1.1, 1.2, 1.3, 1.4, 2.1 Measurement / Geometry: 1.4 Mathematical Reasoning: 1.1, 1.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3
L115	Estimating answers to story problems rounding to the nearest hundred or thousand	Number Sense: 1.4 Mathematical Reasoning: 2.1, 2.5
L116	Computing the perimeters of a shape drawn to scale; abbreviations of measurements	Measurement / Geometry: 1.3, 2.1
L117	Recognizing multiples; learning division facts with dividends up to 30 and dividends that are multiples of 10 (up to 90), 11 (up to 99) and 12 (up to 48)	Number Sense: 2.3, 2.4, 2.5
L118	Learning how to compute the quotient with a two-digit divisor and a two-digit dividend < 50	Number Sense: 2.3, 2.4, 2.5 Algebra / Functions: 1.5

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Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	California Standard / Objective
L119	Learning the parts of a circle	Number Sense: 2.2, 2.5 Measurement / Geometry: 2.6
L120	Recognizing flips (reflections), slides (translations), turns (rotations); recognizing figures that are similar or congruent	Measurement / Geometry: 2.1
L121	Learning equivalents of pounds and ounces; calculating the answer to two-step measurement problems	Measurement / Geometry: 1.4
L122	Changing an inequality to an equation by moving values in the number statement	Number Sense: 2.1, *2.5, 2.8 Algebra / Functions: 1.1, 1.2, 1.3 Mathematical Reasoning: 1.1, 1.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3
L123	Solving word problems using logical reasoning	Number Sense: 2.1 Algebra / Functions: 1.1, 1.2, 1.3 Mathematical Reasoning: 1.1, 1.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3
L124	Computing the area of a rectangle that has been drawn to scale	Number Sense: 2.2, 2.5 Measurement / Geometry: 1.2
L125	Recognizing the shorter or longer distance or the heavier or lighter weight	Measurement / Geometry: 1.1, 1.4
L126	Calculating the answer to a story problem using 2 to 1 and 3 to 1 ratios	Number Sense: 2.2, 2.5, 2.7, 3.3 Algebra / Functions: 1.5 Mathematical Reasoning: 1.1, 2.3, 2.4, 2.6, 3.1, 3.2, 3.3
L127	Continuing to calculate the answer to a story problem using 2 to 1 and 3 to 1 ratios	Number Sense: 2.2, 2.5, 2.7, 3.3 Algebra / Functions: 1.5 Mathematical Reasoning: 1.1, 1.2, 2.3, 2.4, 3.1, 3.2, 3.3
L128	Defining intersecting, parallel and perpendicular lines	Measurement / Geometry: 2.3
L129	Defining diagonal; recognizing parallel and perpendicular lines; learning equivalents of meters and centimeters	Algebra / Functions: 1.4 Measurement / Geometry: 1.4, 2.1, 2.3, 2.4, 2.6
L130	Recognizing the changing pattern in a sequence of figures	Algebra / Functions: 2.2 Mathematical Reasoning: 1.1, 2.3
L131	Learning multiplication facts with products up to 81; regrouping twice with multiplication	Number Sense: 2.2, 2.4, 2.5, 2.8 Algebra / Functions: 1.5
L132	Solving division problems with a one-digit divisor, three-digit dividend, two-digit quotient, and no regrouping or remainders	Number Sense: 1.3, 1.5, 2.5
L133	Continuing to solve division problems with a one-digit divisor, three-digit dividend, two-digit quotient, and no regrouping or remainders	Number Sense: 1.3, 1.5, 2.5
L134	Rounding to the nearest dollar; dividing dollar amounts	Number Sense: 1.4, 2.3, 3.3

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Lesson (Activity) Number	<i>Excel Math Lesson Objective</i>	California Standard / Objective
L135	Computing the volume of one layer of cubes	Measurement / Geometry: 1.2
L136	Subtracting four-digit numbers	Number Sense: 2.1, 2.2, 2.5
L137	Solving story problems with fractional parts, the word “not”, and unnecessary information	Number Sense: 2.1, 2.8, 3.1, 3.2 Algebra / Functions: 1.1, 1.2, 1.3, 2.2 Mathematical Reasoning: 1.1, 1.2, 2.2, 2.3, 2.4, 2.6, 3.1, 3.2
L138	Recognizing right, obtuse and acute angles	Measurement / Geometry: 2.2, 2.4
L139	Recognizing equilateral, isosceles and scalene triangles	Number Sense: 2.2, 2.5 Measurement / Geometry: 2.1, 2.2, 2.4
L140	Adding and subtracting simple fractions	Number Sense: 3.1, 3.2
L141	Recognizing faces, edges and vertices on rectangular prisms, cubes, rectangular pyramids, square pyramids, triangular prisms and pyramids	Number Sense: 2.1 Measurement / Geometry: 2.5, 2.6
L142	Learning division facts with dividends less than 50	Number Sense: 2.2, 2.3, 2.5 Algebra / Functions: 1.5
L143	Determining factors	Number Sense: 2.2, 2.5
L144	Determining prime factors	Number Sense: 2.1, 2.5
L145	Computing the volume of several layers of cubes	Measurement / Geometry: 1.1, 1.2
L146	Figuring change using the fewest coins	Number Sense: 2.5, 3.3 Measurement / Geometry: 1.4 Mathematical Reasoning: 1.2
L147	Comparing fraction values	Number Sense: 3.1
L148	Determining equivalent fractions using models	Number Sense: 2.5, 3.1
L149	Determining equivalent fractions using money	Number Sense: 3.1, 3.4
L150	Recognizing any number less than a million	Number Sense: 1.1, 1.3
L151	Determining the question, given the story and the answer; division facts with dividends to 81	Number Sense: 2.2, 2.3, 2.5, 2.7, 2.8, 3.3 Algebra / Functions: 1.1, 1.2, 1.3, 1.5, 2.1 Mathematical Reasoning: 1.1, 1.2, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3
L152	Calculating elapsed time across the 12 on the clock	Number Sense: 2.4 Measurement / Geometry: 1.4
L153	Learning how to compute the quotient with a two-digit divisor and a two-digit dividend < 100	Number Sense: 2.2, 2.3, 2.5 Algebra / Functions: 1.5
L154	Continuing to learn how to compute the quotient with a two-digit divisor and a two-digit dividend < 100	Number Sense: 2.2, 2.3, 2.5 Algebra / Functions: 1.5
L155	Filling in missing number sequences when counting by increasing or decreasing amounts	Number Sense: 1.2 Algebra / Functions: 2.2
Activity 1	Deductive Reasoning	Statistics, Data Analysis, Probability: 1.1 Mathematical Reasoning: 1.1



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Lesson (Activity) Number	Excel Math Lesson Objective	California Standard / Objective
Activity 2	Reasoning in Geometric figures	Measurement / Geometry: 1.2 Mathematical Reasoning: 1.1
Activity 3	Whole and Fractional parts	Number Sense: 3.1 Measurement / Geometry: 1.2
Activity 4	Coordinate Points	Algebra / Functions: 2.1 Mathematical Reasoning: 1.1
Activity 5	Problem Solving and Creating	Algebra / Functions: 1.1 Statistics, Data Analysis, Probability: 1.1 Mathematical Reasoning: 1.2, 2.2
Activity 6	Puzzles	Mathematical Reasoning: 1.1, 1.2, 3.1, 3.2, 3.3
Activity 7	Volume and surface area	Measurement / Geometry: 1.2, 2.5
Activity 8	Percent	Number Sense: 3.1
Activity 9	Creating questions	Mathematical Reasoning: 2.5, 3.1, 3.2, 3.3
Activity 10	Line Graph	Measurement / Geometry: 1.1 Statistics, Data Analysis, Probability: 1.3, 1.4
Activity 11	Facts and Opinion	Mathematical Reasoning: 1.1, 1.2, 2.3, 2.6, 3.1
Activity 12	Three-dimensional figures	Measurement / Geometry: 2.5, 2.6

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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NUMBER SENSE

1. Students understand place value of whole numbers.

1.1 Count, read, and write whole numbers to 10,000	1, 3, 7, 9, 27, 29, 31, 34, 37, 43, 45, 47, 49, 53, 64, 67, 79, 150	
1.2 Compare and order whole numbers to 10,000	2, 4, 6, 13, 37, 38, 43, 46, 48, 49, 53, 97, 98, 104, 113, 155	11, 82, 93, 116
1.3 Identify the place value for each digit in numbers to 10,000	1, 4, 7, 12, 14, 19, 23, 34, 38, 41, 42, 43, 47, 49, 52, 64, 67, 73, 79, 100, 132, 133, 150	
1.4 Round off numbers to 10,000 to the nearest ten, hundred and thousand	60, 75, 85, 90, 115, 134	
1.5 Use expanded notation to represent numbers (e.g., $3,206 = 3,000 + 200 + 6$)	1, 12, 14, 19, 23, 34, 43, 47, 67, 79, 100, 132, 133	

2. Students calculate and solve problems involving addition, subtraction, multiplication and division.

2.1 Find the sum or difference of two whole numbers between 0 and 10,000	1, 3, 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, 19, 22, 23, 24, 26, 27, 28, 29, 31, 32, 33, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 47, 51, 52, 53, 57, 58, 59, 64, 65, 67, 68, 69, 71, 73, 74, 79, 81, 84, 92, 96, 98, 122, 123, 136, 137, 141, 144	1, 2, 5, 6, 7, 9, 10, 11, 13, 16, 19, 21, 24, 25, 26, 28, 31, 35, 36, 39, 40, 43, 44, 45, 48, 49, 52, 56, 57, 63, 65, 68, 69, 70, 73, 77, 79, 81, 83, 89, 91, 94, 101, 103, 107, 110, 114, 119, 123, 124, 129, 134, 138, 149, 154
2.2 Memorize to automaticity the multiplication table for numbers between 1 and 10	39, 46, 48, 49, 51, 52, 53, 57, 58, 59, 64, 67, 68, 69, 71, 73, 74, 76, 81, 82, 83, 84, 96, 97, 99, 107, 113, 119, 124, 126, 127, 131, 136, 139, 142, 143, 151, 153, 154	70
2.3 Use the inverse relationship of multiplication and division to compute and check results	46, 59, 71, 96, 105, 117, 118, 134, 142, 151, 153, 154	70
2.4 Solve simple problems involving multiplication of multi-digit numbers by one-digit numbers ($3,671 \times 3 = \underline{\quad}$)	53, 61, *62, 73, 74, 79, 84, 91, 95, 117, 118, 131, 152	71, 100

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
2.5 Solve division problems in which a multi-digit number is evenly divided by a one-digit number (135/5)	71, 72, 73, 74, 79, 81, 83, 84, 86, 87, 88, 89, 92, 96, 97, 98, 99, 101, 102, 103, 104, 107, 108, 113, 117, 118, 119, *122, 124, 126, 127, 131, 132, 133, 136, 139, 142, 143, 144, 146, 148, 151, 153, 154 With Remainders 93, 94, 111	75
2.6 Understand the special properties of 0 and 1 in multiplication and division	39, 76, 93, 94	
2.7 Determine the unit cost when given the total cost and number of units	33, 114, 126, 127, 151 With no decimal – 16, 22, 44	10, 55, 71, 92, 105, 112, 122, 130, 137, 139, 152
2.8 Solve problems which combine two or more of the skills above	4, 9, 39, 64, 71, 73, 76, 79, 96, 122, 131, 137, 151	
3. Students understand the relationship between whole numbers, simple fractions and decimals.		
3.1 Compare fractions represented by drawings or concrete materials to show equivalency, and to add and subtract simple fractions in context (e.g., 1/2 of a pizza is the same amount as 2/4 of another pizza that is the same size; show that 3/8 is more than 1/8)	31, 54, 58, 59, 66, 82, 109, 137, 140, 147, 148, 149	Activity 3, 8
3.2 Add and subtract simple fractions (e.g., determine that $1/8 + 3/8$ is the same as $1/2$)	109, 137, 140	
3.3 Solve problems involving addition, subtraction, multiplication and division of money amounts in decimal notation and multiply and divide money amounts in decimal notation using whole number multipliers and divisors	33, 51, 75, 95, 114, 126, 127, 134, 146, 151 Without decimals – 16, 22	10, 55, 92
3.4 Know and understand that fractions and decimals are two different representations of the same concept (e.g., 50 cents is 1/2 of a dollar, 75 cents is 3/4 of a dollar)	82, 149	92

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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ALGEBRA AND FUNCTIONS		
1. Students select appropriate symbols, operations and properties to represent, describe, simplify and solve simple number relationships.		
1.1 Represent relationships of quantities in the form of mathematical expressions, equations, or inequalities	1, 4, 9, 11, 13, 16, 21, 24, 28, 32, 36, 57, 76, 81, 83, 92, 99, 104, 107, 114, 122, 123, 137, 151	11, 19, 24, 31, 33, 39, 40, 44, 48, 49, 56, 63, 68, 70, 73, 75, 83, 89, 91, 94, 95, 101, 107, 110, 114, 119, 124, 129, 134, 141, 149, 154 Activity 5
1.2 Solve problems involving numeric equations or inequalities	28, 35, 36, 57, 76, 81, 83, 92, 107, 114, 122, 123, 137, 151	11, 12, 19, 22, 24, 31, 38, 39, 40, 44, 45, 49, 54, 56, 63, 68, 70, 73, 75, 77, 83, 89, 94, 95, 101, 107, 110, 114, 119, 124, 129, 134, 141, 149, 154
1.3 Select appropriate operational and relational symbols to make an expression true (e.g., 4 <u> </u> 3 = 12, what operation symbol goes in the blank?)	4, 21, 38, 76, 99, 114, 122, 123, 137, 151	91, 95
1.4 Express simple unit conversions in symbolic form (e.g., # inches = # feet x 12)	74, 62, 82, 83, 114, 129	
1.5 Recognize and use the commutative and associative properties of multiplication (e.g., if $5 \times 7 = 35$, then what is 7×5 ?, if $5 \times 7 \times 3 = 105$, then what is $7 \times 3 \times 5$?)	46, 61, 68, 71, 73, 76, 81, 91, 92, 95, 96, 97, 105, 107, 118, 126, 127, 131, 142, 151, 153, 154 Factors 143 Multiples – 117, 126 Prime numbers - 144	
2. Students represent simple functional relationships.		
2.1 Solve simple problems involving a functional relationship between two quantities (e.g., find the total cost of multiple items given the per unit cost)	26, 35, 40, 80, 85, 95, 114, 151	13, 33, 45, 48, 96, 106 Activity 4
2.2 Extend and recognize a linear pattern by its rules (e.g., the number of legs on a given number of horses can be calculated by counting by 4s or by multiplying the number of horses by 4)	2, 26, 77, 80, 130, 137, 155	1, 15, 45, 77, 78, 96, 106

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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MEASUREMENT AND GEOMETRY		
1. Students choose and use appropriate units and measurement tools to quantify the properties of objects.		
1.1 Choose appropriate units (metric and U.S. customary) and tools, and estimate and measure length, liquid volume and weight/mass	32, 50, 56, 62, 63, 108, 125, 145	29, 102, 117, 121, 127, 128, 150, 151, 155 Activity 10
1.2 Estimate or determine the area and volume of solid figures by covering them with squares or by counting the number of cubes that would fill them	72, 124, 135, 145	60, 126, 132 Activity 2, 3, 7
1.3 Find the perimeter of a polygon with integer sides	86, 116	145, 150
1.4 Carry out simple unit conversions within a system of measurement (e.g., centimeters and meters, hours and minutes)	18, *50, 56, 62, 65, 74, 78, 83, 89, 108, 112, 114, 121, 125, 129, 146, 152	64
2. Students describe and compare the attributes of plane and solid geometric figures and use their understanding to show relationships and solve problems.		
2.1 Identify, describe and classify polygons (including pentagons, hexagons and octagons)	8, 41, 77, 86, 106, 116, 120, 129, 139	
2.2 Identify attributes of triangles (e.g., two equal sides for the isosceles triangle, three equal sides for the equilateral triangle, right angle for the right triangle)	77, 138, 139	41, 46, 50, 72, 126
2.3 Identify attributes of quadrilaterals (e.g., parallel sides for the parallelogram, right angles for the rectangle, equal sides and right angles for the square)	8, 41, 77, 106, 128, 129	60, 86
2.4 Identify right angles in geometric figures or in appropriate objects and determine whether other angles are greater or less than a right angle	129, 138, 139	

*Gives opportunity to teach specific State Standard

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
2.5 Identify, describe, and classify common three-dimensional geometric objects (e.g., cube, rectangular solid, sphere, prism, pyramid, cone, cylinder)	69, 141	132 Activity 7, 12
2.6 Identify the common solid objects that are the component parts needed to make a more complex solid object	8, 41, 69, 119, 129, 141 Symmetry: 55	Activity 12
STATISTICS, DATA ANALYSIS AND PROBABILITY		
1. Students conduct simple probability experiments by determining the number of possible outcomes, and make simple predictions.		
1.1 Identify whether common events are certain, likely, unlikely, or improbable	5, 25, 26 Combinations: 30	32, 42, 51, 53, 67, 82, 91, 93, 96, 97, 116, 121, 127 Activity 1, 5
1.2 Record the possible outcomes for a simple event (e.g., tossing a coin) and systematically keep track of the outcomes when the event is repeated many times	5, 30	11, 19, 23, 24, 25, 27, 31, 34, 39, 40, 44, 49, 56, 61, 62, 63, 68, 70, 73, 74, 75, 83, 89, 94, 96, 101, 107, 110, 114, 119, 123, 124, 129, 134, 141, 149, 154
1.3 Summarize and display the results of probability experiments in a clear and organized way (e.g., use a bar graph or a line plot)	20, 84 Combinations: 30	23, 34, 61, 62, 96, 121, 123, 127 Activity 10
1.4 Use the results of probability experiments to predict future events (e.g., use a line plot to predict the temperature forecast for the next day)	20 Combinations: 30	20, 62, 96 Activity 10

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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MATHEMATICAL REASONING		
1. Students make decisions about how to approach problems.		
1.1 Analyze problems by identifying relationships, discriminating relevant from irrelevant information, sequencing and prioritizing information, and observing patterns	10, 11, 15, 25, 26, 40, 68, 70, 80, 82, 83, 105, 110, 111, 114, 122, 123, 126, 127, 130, 137, 151	3, 5, 7, 8, 9, 10, 18, 20, 27, 30, 32, 34, 37, 42, 43, 46, 47, 52, 53, 57, 59, 61, 64, 65, 66, 67, 69, 71, 72, 74, 76, 79, 80, 81, 84, 91, 97, 98, 99, 100, 103, 105, 108, 109, 113, 118, 120, 121, 122, 125, 127, 128, 130, 131, 133, 135, 137, 138, 139, 140, 141, 142, 143, 144, 146, 148, 153, 155 Activity 1, 2, 4, 6, 11
1.2 Determine when and how to break a problem into simpler parts	9, 11, 16, 22, 26, 40, 58, 59, 67, 71, 82, 83, 84, 87, 88, 91, 105, 111, 112, 114, 122, 123, 127, 137, 146, 151	12, 22, 38, 54, 64, 99, 103, 140, 142, 143 Activity 5, 6, 11
2. Students use strategies, skills and concepts in finding solutions.		
2.1 Use estimation to verify the reasonableness of calculated results	60, 62, 75, 78, 85, 90, 115	30, 43, 65, 72, 76, 102, 103, 108, 109, 117, 142
2.2 Apply strategies and results from simpler problems to more complex problems	68, 85, 111, 137, 151 All Create A Problems – back of each test (27 total)	65 Activity 5
2.3 Use a variety of methods such as words, numbers, symbols, charts, graphs, tables, diagrams and models to explain mathematical reasoning	10, 20, 30, 35, 68, 80, 82, 83, 111, 114, 122, 123, 126, 127, 130, 137, 151	8, 11, 13, 19, 23, 24, 31, 37, 39, 40, 44, 49, 56, 57, 63, 68, 70, 73, 75, 76, 83, 89, 94, 97, 101, 102, 106, 107, 110, 114, 117, 119, 124, 128, 129, 134, 135, 142, 143, 144, 146, 149, 153, 154 Activity 11
2.4 Express the solution clearly and logically using appropriate mathematical notation and terms and clear language, and support solutions with evidence, in both verbal and symbolic work	26, 30, 40, 65, 68, 80, 82, 83, 105, 111, 114, 122, 123, 126, 127, 137, 151	2, 6, 13, 16, 21, 25, 28, 36, 46, 76, 97, 102, 117, 128, 142, 143
2.5 Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy	60, 65, 75, 78, 83, 85, 111, 114, 115, 122, 123, 151	142, 143 Activity 9



California 3rd Grade Standards / *Excel Math* Correlation

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
2.6 Make precise calculations and check the validity of the results from the context of the problem	40, 65, 68, 80, 82, 83, 105, 111, 114, 122, 123, 126, 137, 151	97, 102, 103, 117, 128, 140, 143 Activity 11
3. Students move beyond a particular problem by generalizing to other situations.		
3.1 Evaluate the reasonableness of the solution in the context of the original situation	65, 70, 82, 83, 105, 111, 114, 122, 123, 126, 127, 137, 151	29, 46, 76, 87, 97, 104, 111, 136, 143, 147 Activity 6, 9, 11
3.2 Note method of deriving the solution and demonstrate conceptual understanding of the derivation by solving similar problems	30, 40, 65, 70, 80, 82, 83, 111, 114, 122, 123, 126, 127, 137, 151	5, 17, 25, 58, 76, 87, 88, 97, 104, 111, 136, 143, 147 Activity 6, 9
3.3 Develop generalizations of the results obtained and extend them to other circumstances	35, 65, 80, 82, 83, 114, 122, 123, 126, 127, 151	143 Activity 6, 9