



**Texas 6<sup>th</sup> Grade TEKS /  
Excel Math Correlation by Lesson Number**

Lesson (Activity) Number	<i>Excel Math</i> Lesson Objective	Texas Essential Knowledge and Skills
L1	Recognize numbers less than a million; add, subtract and multiply whole numbers or money amounts with regrouping; recognize multiples; select correct equation; solve multi-step word problems; calculate change; recognize money number words; recognize addition and subtraction fact families; Optional: recognize <i>ordinal number words</i> up to 100	Mathematical Process Standards: 6.1A-G Number and Operations: 6.2A; 6.3C, D, E; Expressions, Equations and Relationships: 6.9A, B; 6.10A, B
L2	Compare two or more sets of data using <i>bar</i> or <i>line graphs</i> ; interpret information given in a <i>histogram</i> ; recognize the symbols <i>&lt; less than</i> and <i>&gt; greater than</i> ; fill in missing numbers in sequences count by numbers from 1 to 12; arrange 4 four-digit numbers in order from least to greatest and greatest to least; select the correct symbol for a number statement	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2*C, D; Expressions, Equations and Relationships: 6.6A, B; Measurement and Data: 6.12A, B; 6.13A, B
L3	Recognize true and not true number statements; use trial and error to solve for unknowns in an equation; solve algebraic equations with and without parentheses; change a number statement from $\neq$ to $=$ ; learn the order of operations when solving an equation	Expressions, Equations and Relationships: 6.7A, B, C, D; 6.9A, B, *C; 6.10A, B
L4	Learn 7 days = 1 week; learn 1 year = 12 months; learn number of days in each month; compute the date within the month; Optional: learn abbreviations for days and months	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D; Expressions, Equations and Relationships: 6.9A, B, C
L5	Define <i>numerator</i> and <i>denominator</i> ; determine fractional part of a group; learn the whole is the sum of its parts; add and subtract fractions and mixed numbers with like denominators	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2A, E; Proportionality 6.5C; Expressions, Equations and Relationships: 6.7C, D
L6	Recognize <i>multiplication</i> and <i>division fact families</i> ; learn division facts with dividends up through 81; divide a one-digit divisor into a three-digit dividend; solve multi-step word problems involving division; learn the terminology for multiplication and division	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E; Expressions, Equations and Relationships: 6.7D

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L7	Add, subtract and multiply with multi-digit decimals; solve word problems using <i>deductive reasoning</i> ; determine if there is sufficient information and what information is needed to answer the question in a word problem	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E
L8	Give examples of ratios as multiplicative comparisons of two quantities describing the same attribute; solve word problems by listing possibilities or by making a chart	Mathematical Process Standards: 6.1A-G Proportionality 6.4C; 6.5A; Expressions, Equations and Relationships: 6.6A, *C; 6.9A, B; Measurement and Data: 6.13A, B
L9	Learn division facts with remainders with dividends up through 81; solve word problems involving division	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E
L10	Define <i>numerator</i> and <i>denominator</i> ; determine the fractional part of a group of items when modeled or given in words; learn that the whole is the sum of its parts; add and subtract fractions and mixed numbers with like denominators	Proportionality 6.4A, B, D, H; 6.5A
L11	Convert units within a measurement system; measure <i>line segments</i> to the nearest half inch, quarter inch and half centimeter; compare U.S. customary and metric units; make tables of equivalent ratios and find missing values in the tables	Proportionality 6.4B, C, H; 6.5A; Expressions, Equations and Relationships: 6.6 C
L12	Multiply by a two-digit multiplier; multiply multi-digit decimals	Number and Operations: 6.3C, D, E
L13	Find the least common multiple of two whole numbers less than or equal to 12; learn 60 minutes = 1 hour; tell time to the minute; recognize a quarter past or before the hour and half past the hour; calculate minutes before the hour; calculate elapsed time (hours) involving <i>AM</i> and <i>PM</i>	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D, E; Proportionality 6.4H
L14	Compute the area of the rectangle; learn the terminology of <i>parallel</i> , <i>intersecting</i> and <i>perpendicular lines</i> , <i>plane figure</i> , <i>polygon</i> , <i>quadrilateral</i> , <i>parallelogram</i> , <i>rectangle</i> , <i>square</i> , <i>diagonal</i> , <i>rhombus</i> and <i>trapezoid</i>	Expressions, Equations and Relationships: 6.8A, B, C, D
L15	Recognize <i>three-dimensional figures</i> - sphere, cube, cone, cylinder, rectangular, square and triangular pyramids and rectangular and triangular prisms; learn the terminology of flat and curved <i>faces</i> , <i>bases</i> , <i>edges</i> and <i>vertices</i>	Geometry and Measurement: 5.5 (Reviews TEKS concepts from previous year)

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L16	Divide a one-digit divisor into a three-digit dividend with a two-digit quotient with regrouping and remainders	Number and Operations: 6.3A, C, D, E
L17	Determine the <i>lowest common multiple</i> ; learn division and multiplication facts	Number and Operations: 6.2E, D; 6.3*A, B, *C, E; Expressions, Equations and Relationships: 6.7B; 6.10A, B
L18	Understand ratios; describe a ratio relationship between two quantities; determine <i>equivalent fractions</i> using models, money, multiplication or division	Number and Operations: 6.2E; 6.3B, C, E; Proportionality 6.4B, C, D, F, G, H; 6.5A, C; Expressions, Equations and Relationships: 6.10A, B
L19	Compute $\frac{1}{2}$ to $\frac{1}{9}$ of a group of items; Optional: recognize <i>odd</i> and <i>even</i> numbers	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2A; 6.3D, E; Proportionality 6.5*B,* C
L20	<i>Round</i> to the nearest ten, hundred or thousand; estimate answers for addition, subtraction and multiplication word problems using rounding; estimate range for an answer	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D, E; Measurement and Data: 6.12C
L21	TEKS Alternate: Activity #2 – Ratios in Word Problems; Opt: learn the terminology of <i>pentagon</i> , <i>hexagon</i> and <i>octagon</i> ; determine figures that do or do not belong in a set; recognize <i>patterns</i>	Mathematical Process Standards: 6.1A-G; Proportionality 6.4B, C, D, G; 6.5A, C  Expressions, Equations and Relationships: 6.8*A, B
L22	Put simple fractions in order from least to greatest and greatest to least; determine the fraction with the greatest or least value	Number and Operations: 6.2A, C, D, E; Proportionality 6.4B, C, D, G, H; 6.5A
L23	TEKS Alternate: Activity #3 - Real & Whole Numbers on a Number Line; recognize lines of symmetry; Opt: Recognize <i>similar</i> and <i>congruent figures</i> ; recognize <i>flips</i> , <i>slides</i> and <i>turns</i> ; <i>bilateral</i> and <i>rotational symmetry</i>	Number and Operations: 6.2A, B, C  Geometry and Measurement: 5.5A; Geometry and Measurement: 4.6B
L24	Recognize numbers up through <i>trillions</i> given in words or place value; recognize numbers given in expanded notation	Number and Operations: 6.2A; 6.3C, D, E
L25	Graph coordinate points in all quadrants; learn the sum of the angles of a rectangle; recognize <i>right</i> , <i>obtuse</i> and <i>acute</i> angles; measure and estimate <i>angles</i> ; recognize <i>equilateral</i> , <i>isosceles</i> and <i>scalene</i> triangles; learn the sum of the angles of a triangle	Expressions, Equations and Relationships: 6.8A, C; Measurement and Data: 6.11
L26	Divide a two-digit divisor into a dividend less than 100 with remainders	Number and Operations: 6.2A; 6.3A, C, D, E

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L27	Convert an <i>improper fraction</i> to a mixed or whole number; determine the fraction with the greatest or least value in a set of fractions	Number and Operations: 6.2A, *C, *D, E; Proportionality 6.4*F, G; 6.5C
L28	Add and subtract fractions with unlike denominators	Number and Operations: 5.3H
L29	Read maps drawn to scale	Mathematical Process Standards: 6.1A-G; Proportionality 6.4H
L30	Calculate the <i>area</i> and <i>perimeter</i> of a rectangle; solve word problems involving <i>area</i> and <i>perimeter</i>	Mathematical Process Standards: 6.1A-G; Expressions, Equations and Relationships: 6.8*B, C, D; 6.10A
L31	Divide dollars by dollars	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Expressions, Equations and Relationships: 6.9A, B, C; 6.10A
L32	Determine <i>coordinate points</i>	Measurement and Data: 6.11
L33	Recognize the pattern in a sequence of figures or pattern of shading; solve for an unknown angle in a triangle	Expressions, Equations and Relationships: 6.8A
L34	Understand ratios; describe a ratio relationship between two quantities; compare probabilities	Mathematical Process Standards: 6.1A-G; Proportionality 6.4B, *C, *D; 6.5A
L35	Recognize <i>tenths</i> and <i>hundredths</i> places; write mixed numbers as decimal numbers; write decimal numbers as mixed numbers; recognize decimal number words; add and subtract decimal numbers	Number and Operations: 6.2A, *C; Proportionality 6.4G; 6.5C
L36	Calculate the length of vertical and horizontal lines by subtracting x- and y-coordinates	Measurement and Data: 6.11
L37	Learn the <i>Distributive Property of Multiplication</i> ; learning the <i>Associative Property of Multiplication and Addition</i> ; learn the <i>Commutative Property of Addition and Multiplication</i>	Expressions, Equations and Relationships: 6.7A, B, C, D
L38	Divide a one-digit divisor into a four-digit dividend with a three-digit quotient; learn the <i>Property of One</i> and the <i>Zero Property</i> of Addition and Multiplication	Number and Operations: 6.3C, D, E; 6.4*A
L39	Add and subtract fractions in word problems	Mathematical Process Standards: 6.1A-G; Proportionality 6.4G; Expressions, Equations and Relationships: 6.7C, D

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L40	Recognize multiplication without the “x” symbol; calculate answers to word problems using 2 to 1 and 5 to 1 ratios	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2D; 6.3D; Proportionality 6.4A, B, C, D, E, H; 6.5A; Expressions, Equations and Relationships: 6.6A, B, C; 6.7*A, B, C, D; 6.9A, B, C; 6.10A, B
L41	Learn the equivalent for one year in days and in weeks; learn about <i>leap year</i> ; calculate elapsed time	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D, E; Proportionality 6.4B, C, H; 6.5A
L42	Determine the question given the information and the answer; estimate the most reasonable answer	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4G, H; 6.5A, C; Personal Financial Literacy: 6.14*A-H
L43	Calculate elapsed time in minutes across the 12 on a clock	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E; Proportionality 6.4B, H
L44	Convert fractions and decimals to percents by setting up equivalent fractions	Number and Operations: 6.3B, E; Proportionality 6.4E, F, G; 6.5C
L45	Use <i>Venn Diagrams</i> to understand the <i>union</i> and <i>intersection of sets</i>	Number and Operations: 6.2A
L46	Convert mixed numbers to decimal numbers by setting up equivalent fractions	Number and Operations: 6.2*E; 6.3*B, E; Proportionality 6.4F, G; 6.5C
L47	Compare fractions with unlike denominators in less than and greater than problems and in true and not true number statements by setting up equivalent fractions	Number and Operations: 6.2*C; Proportionality 6.4*G; 6.5*C; Expressions, Equations and Relationships: 6.9A
L48	Convert improper fractions as part of mixed numbers; recognize division without the “÷” symbol	Number and Operations: 6.2E; 6.3*A; Proportionality 6.4G; 6.5C; Expressions, Equations and Relationships: 6.9A, B
L49	<i>Round</i> money amounts and decimal numbers to the nearest dollar or whole number	Number and Operations: 6.2A, C, *D
L50	Determine <i>factors, prime numbers, composite numbers, prime factors</i> and <i>greatest common factors</i>	Number and Operations: 6.2A; 6.3C, D; Expressions, Equations and Relationships: 6.7A
L51	Multiply decimal numbers	Number and Operations: 6.2A; 6.3E
L52	Divide decimal numbers by whole numbers; convert percents to decimal numbers	Number and Operations: 6.2A; 6.3E; Proportionality 6.4E, G; 6.5*B, C
L53	Compare decimal numbers in less than and greater than problems	Number and Operations: 6.2*A, *C; Proportionality 6.4G; 6.5*B, C
L54	TEKS Alternate: Activity #1 - Percent Problems; Opt: recognizing <i>Roman numerals</i> : I, V, X, L, C, D and M	Mathematical Process Standards: 6.1A-G; Proportionality 6.4E, F, G; 6.5B, C Number and Operations: 6.2A; 6.3D; Expressions, Equations and Relationships: 6.9A, B; 6.10A, B

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L55	Calculating <i>averages</i>	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2A; 6.3C, D, E; Measurement and Data: 6.12B, C
L56	Determining the <i>greatest common factor</i> and <i>least common factor</i>	Number and Operations: 6.2A; 6.3D
L57	Simplifying fractions; solving equations involving fractions	Number and Operations: 6.2*C, E; 6.3A, B, E; Proportionality 6.4G; Expressions, Equations and Relationships: 6.9A, B; 6.10A, B
L58	Estimating answers to problems involving numbers with up to nine digits	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2A; 6.3B, C, D, E
L59	Calculating the <i>volume</i> of a rectangular prism with one or more layers of cubes using the formula $L \times W \times H$	Expressions, Equations and Relationships: 6.8C, D; 6.10A, B
L60	Associate 360 degrees in a circle with one- quarter, one-half, three-quarter & full turns; Opt. recognizing parts of a <i>circle</i> ; calculating <i>diameter</i> and <i>radius</i>	Geometry and Measurement; 4.7A, B (TEKS concept from a previous year)
L61	Recognizing the <i>thousandths</i> place; rounding decimal numbers to the nearest tenth or hundredth; solving equations involving decimals	Number and Operations: 6.2A; 6.3E; Proportionality 6.4A; Expressions, Equations and Relationships: 6.9A, *B,*C; 6.10A, B
L62	Dividing a two-digit divisor into a three- digit dividend with a two-digit quotient; <i>simplifying fraction answers</i>	Number and Operations: 6.3D, *E; Proportionality 6.4G
L63	Comparing <i>positive</i> and <i>negative</i> numbers	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2A, *B, C, *D
L64	Determining numbers that are multiples of one number and factors of another	Number and Operations: 6.2A
L65	Calculating <i>mean, median</i> and <i>mode</i> ; using <i>stem and leaf plots</i>	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D; Measurement and Data: 6.12A, B, C, D; 6.13A, B
L66	Calculating <i>equivalent ratios</i>	Number and Operations: 6.2A; 6.3E; Proportionality 6.4A, B, *C, D, *E, G; 6.5A, *B
L67	Determining percent in word problems	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4E, F, G; 6.5B, C
L68	Determining if coordinate points are on a given line	Measurement and Data: 6.11
L69	Using trial and error and charting strategies to solve word problems	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4B, D, G, H; 6.5A; Expressions, Equations and Relationships: 6.6*A, B, *C

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L70	Defining <i>dependent</i> and <i>independent variable</i> , <i>central tendency</i> , <i>statistics</i> and <i>outlier</i> ; recognizing factors that influence data collection; creating a scatter plot	Expressions, Equations and Relationships: 6.6A, B, C; Measurement and Data: 6.11; 6.12A, B, C, D; 6.13A, B
L71	Computing the percent of a whole number, money amount or decimal number	Number and Operations: 6.2A, *C; 6.3E; Proportionality 6.4E, F, G; 6.5A, *B, C
L72	Calculating <i>cost per unit</i>	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D; Proportionality 6.4B, D, H; 6.5A; Personal Financial Literacy: 6.14*A-H
L73	Filling in missing numbers in a sequence of decimal numbers	Number and Operations: 6.2A, *C, D
L74	Putting decimal numbers in order from least to greatest and greatest to least; evaluating decimal numbers in true and not true number statements	Number and Operations: 6.2A, C, D
L75	Calculating the perimeter and area of an irregular figure	Expressions, Equations and Relationships: 6.8B, C, D
L76	Calculating area and perimeter given coordinates on a coordinate grid	Expressions, Equations and Relationships: 6.8B, C, D; 6.11
L77	Calculating using <i>exponents</i> ; calculating <i>square roots</i>	Number and Operations: 6.3C, D; Expressions, Equations and Relationships: 6.7A
L78	Selecting an equivalent fraction; simplifying improper fractions as part of a mixed number answer	Number and Operations: 6.2A; 6.3B; Proportionality 6.4G; 6.5C
L79	Solving word problems involving decimals	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Expressions, Equations and Relationships: 6.9A, B, C
L80	Recognizing <i>complementary</i> , <i>straight</i> and <i>supplementary angles</i>	Expressions, Equations and Relationships: 6.8*A Geometry and Measurement: 4.7A Expressions, Equations and Relationships: 7.11C
L81	Calculating decimal answers in division problems when zeroes need to be added to the right of the dividend	Number and Operations: 6.3E
L82	Dividing using short division	Number and Operations: 6.3D, E
L83	Converting mixed numbers to improper fractions	Number and Operations: 6.2A, 6.3*A; Proportionality 6.4G; 6.5C; Expressions, Equations and Relationships: 6.7C; 6.9A, B, *C; 6.10 A, B
L84	Filling in missing numbers in sequences counting by varying amounts	Number and Operations: 6.3C; Expressions, Equations and Relationships: 6.9A, B, C; 6.10A, B

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L85	Multiplying fractions and whole numbers by fractions	Number and Operations: 6.3B, E
L86	<i>Estimating</i> to the nearest dollar or whole number	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D; Personal Financial Literacy: 6.14*A-H
L87	Comparing fractions in word problems	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2*C; 6.3E; Proportionality 6.4G; 6.5C
L88	Recognizing <i>angles</i>	Expressions, Equations and Relationships: 6.8A
L89	Selecting the fraction, percent or decimal number that best represents a shaded region	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3D; Proportionality 6.4B, D, H; 6.5A
L90	Selecting the fraction, percent or decimal number that best represents a shaded region	Proportionality 6.4E, F, G; 6.5C
L91	Solving equations with embedded parentheses	Number and Operations: 6.3D Expressions, Equations and Relationships: 6.7A, B, *C, D; 6.10A, B
L92	TEKS Alternative: Activity #4 - Area & Perimeter of Triangles Opt.: Calculating elapsed time more than one week moving into a new month	Expressions, Equations and Relationships: 6.8A, B, C, D Mathematical Process Standards: 6.1A-G; Proportionality 6.4H
L93	Reducing improper fraction answers to their lowest terms	Number and Operations: 6.2E; 6.3A; Proportionality 6.4G; Number and Operations: 5.3H
L94	Solving problems using data displayed as <i>percent pie graphs</i>	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4E, F, G; 6.5A, B, C; Expressions, Equations and Relationships: 6.6*A, *B Measurement and Data: 6.12D
L95	Recognizing decimal places to the right of the thousandths; multiplying decimals when zeroes need to be added to the product	Number and Operations: 6.2A, *C; Proportionality 6.4F; 6.5A, B, C
L96	Solving word problems by working backwards	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D; Expressions, Equations and Relationships: 6.9A, *B, C; 6.10A, B
L97	Writing probability as a fraction, decimal, percent or proportion (ratio)	Mathematical Process Standards: 6.1A-G; Proportionality 6.4B, C, E, F, G; 6.5A, B, C; Measurement and Data: 6.12A
L98	Selecting the most reasonable answer involving percents	Number and Operations: 6.3D; Proportionality 6.4E; 6.5*C
L99	Writing probabilities as lowest-terms fractions	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2E; 6.3E; Proportionality 6.4D, E, F, G; 6.5C

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L100	Determining the equation that creates a pattern; Opt. calculating the <i>surface area</i> of a rectangular prism	Proportionality 6.4A; Expressions, Equations and Relationships: 6.6A, B, C; 6.7B; 6.8B, C, D; 6.9A, B, C; 6.10A, B; Measurement and Data: 6.12A, B, *C, D; 6.13;A, B
L101	Determining <i>reciprocals</i>	Number and Operations: 6.2A; 6.3A, B, E
L102	Multiplying and dividing decimal numbers by powers of ten	Number and Operations: 6.3E; Expressions, Equations and Relationships: 6.7A
L103	Dividing a three-digit divisor into a three-digit dividend with a one-digit quotient	Number and Operations: 6.3C, D
L104	Multiplying mixed numbers	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4B, C, D, E, G; 6.5A, C; Expressions, Equations and Relationships: 6.6A, B, C
L105	Solving word problems involving percent, including the word “not”	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2C; 6.3B, C, D; Proportionality 6.4B, C, E, F, G; 6.5A, B, C
L106	Subtracting fractions with like denominators with regrouping	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3B, E; Proportionality 6.4G; 6.5C
L107	Simplifying division problems using powers of ten	Number and Operations: 6.2E; 6.3C, D, E
L108	Estimating using rounding to one-digit accuracy; calculating volume in word problems	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2A; Expressions, Equations and Relationships: 6.8C, D
L109	Determining negative numbers using coordinate points	Measurement and Data: 6.11
L110	Solving word problems involving sales tax, sale price, interest and profit	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4G; 6.5B, C; Personal Financial Literacy: 6.14*A-H
L111	Converting decimal numbers to percents and percents to decimal numbers	Number and Operations: 6.2A, *C; 6.3B, E; Proportionality 6.4E, F, G; 6.5C
L112	Using multiplication and division to simplify fraction multiplication problems; simplifying fractions before multiplying	Number and Operations: 6.3B, E; Expressions, Equations and Relationships: 6.7B, C, D
L113	Converting decimal numbers to lowest-terms fractions or mixed numbers	Number and Operations: 6.2A, *C; 6.3B, E; Proportionality 6.4*F, G; 6.5C
L114	Determining the equation that represents a problem and the equation that solves it	Number and Operations: 6.3C, D; Expressions, Equations and Relationships: 6.7A, B, C, D; 6.9A, B, C; 6.10A, B

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L115	Identifying the equation that represents a line on a coordinate graph; learning <i>slope</i> and <i>intercept</i>	Proportionality 6.4A; Expressions, Equations and Relationships: 6.6*A, *B, C; 6.7A, B; 6.9A, B, C; 6.10A, B; Measurement and Data: 6.11
L116	Determining percent of a whole number	Number and Operations: 6.2A, E; 6.3C, D, E; Proportionality 6.4E, G; 6.5C; Expressions, Equations and Relationships: 6.9A, *B, *C; 6.10A, B
L117	Solving word problems involving the multiplication of fractions and mixed numbers	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.2E; 6.3*A, B, C, E; Personal Financial Literacy: 6.14A, B
L118	Dividing fractions	Number and Operations: 6.2E; 6.3A, C, E
L119	Arranging fractions, decimal numbers and mixed numbers on a number line	Number and Operations: 6.2B, C, *D; Proportionality 6.4F
L120	Calculating averages involving decimals and fractions	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3A, B, C, D, E; Proportionality 6.4G; Measurement and Data: 6.12B, C
L121	Calculating the <i>area of a parallelogram</i>	Expressions, Equations and Relationships: 6.8B, C, D
L122	Multiplying a three-digit number by a three-digit number	Number and Operations: 6.3D
L123	Rounding mixed numbers	Number and Operations: 6.2A, C
L124	Calculating the <i>area of a triangle</i>	Number and Operations: 6.3E; Expressions, Equations and Relationships: 6.8*A, B, C, D
L125	TEKS Alternate: Activity #6 - Area & Perimeter of Trapezoids; Opt: calculating circumference and area of a circle; $\pi$ ( <i>pi</i> )	Expressions, Equations and Relationships: 6.8B, C, D
L126	Converting measurements using multiplication or division with fractional or decimal remainders	Number and Operations: 6.3C, D, E; Proportionality 6.4H
L127	Calculating percents in word problems	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.4E, F, G; 6.5A, B
L128	Converting fractions to decimal numbers using division; recognizing the symbol for a repeating decimal	Number and Operations: 6.2A, E; 6.3A, C, E; Proportionality 6.4*G
L129	Converting fractions to percents	Number and Operations: 6.2A, C, E; 6.3B, C, E; Proportionality 6.4G; 6.5*B, *C
L130	Understanding absolute value using number lines; adding positive and negative integers	Number and Operations: 6.2A, B, C; 6.3C, D
L131	Adding positive and negative integers	Number and Operations: 6.2A, B, C; 6.3C, D

\*Gives opportunity to teach specific State Standard

**Texas 6<sup>th</sup> Grade TEKS /**  
**Excel Math Correlation by Lesson Number**

Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
L132	Dividing a two-digit divisor into a three-digit dividend with a one-digit quotient	Number and Operations: 6.3C, D, E; Expressions, Equations and Relationships: 6.7C, D
L133	Calculating expected numbers based on probabilities	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3B, C, E; Proportionality 6.4E, F, G; 6.5B, C; Expressions, Equations and Relationships: 6.9A, B, C; 6.10A, B
L134	Using rounding to estimate quotients	Number and Operations: 6.3C, D, E
L135	Determining percents that are greater than 100% and less than 1%	Number and Operations: 6.2E; 6.3*A, B, E; Proportionality 6.4E, *F, G; 6.5C
L136	Dividing a three-digit divisor into a four-digit dividend with a two-digit quotient	Number and Operations: 6.2A; 6.3C, D
L137	Adding and multiplying measurements, then simplifying units	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D; Proportionality 6.4B, C, D, H; 6.5A; Measurement and Data: 6.12A, B, C, *D; 6.13A, B
L138	Dividing a decimal number by a decimal number	Number and Operations: 6.3E
L139	Calculating the <i>volume of a triangular prism or cylinder</i> (optional)	Expressions, Equations and Relationships: 6.8B, C, D
L140	Reviewing rounding quotients; calculating percents in word problems, rounding to the nearest whole percent	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E; Proportionality 6.5C
L141	Subtracting measurements by exchanging units	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D; Proportionality 6.4H
L142	Dividing mixed numbers	Number and Operations: 6.2A; 6.3E; Proportionality 6.4G
L143	Subtracting positive and negative integers	Number and Operations: 6.2A; 6.3C, D
L144	Subtracting positive and negative integers	Number and Operations: 6.2A; 6.3C, D
L145	Determining the fourth vertex of a parallelogram on a coordinate graph	Measurement and Data: 6.11
L146	Subtracting mixed numbers and fractions with unlike denominators with regrouping	Proportionality 6.4G
L147	Dividing a three-digit divisor into a four-digit dividend with a one-digit quotient	Number and Operations: 6.3D, E
L148	Opt: solving for an unknown with similar polygons;  TEKS Alternate: Activity #12 - Displaying Data on Dot Plots;	Proportionality 6.4A, B, C, G; 6.5A; Expressions, Equations and Relationships: 6.7C, D; 6.8A Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, BC, D; 6.13A, B
L149	Determining number patterns	Number and Operations: 6.2A; 6.3C, D

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**Texas 6<sup>th</sup> Grade TEKS /**  
**Excel Math Correlation by Lesson Number**

<b>Lesson (Activity) Number</b>	<b>Excel Math Lesson Objective</b>	<b>Texas Essential Knowledge and Skills</b>
L150	TEKS Alternate: Activity #18 - Calculating Unit Rate, Speed, Range and Velocity; Opt: calculating the probability of two separate events as a sum and two consecutive events as a product; calculating using <i>factorials</i> and <i>permutations</i>	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E; Proportionality 6.4A, B, C, D, H; 6.5A;
L151	Using ratio reasoning; comparing the value of products using different currencies	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3A, C, E; Proportionality 6.4A, B, D, G, H; 6.5A; Personal Financial Literacy: 6.14*A-H
L152	Calculating and comparing cost per unit	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E; Proportionality 6.4B, D, H; 6.5A; Personal Financial Literacy: 6.14*A-H
L153	Solving word problems involving division of fractions and mixed numbers	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3E
L154	Using ratio and rate reasoning; estimating answers to division word problems	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E; Proportionality 6.4B, C, D; 6.5A
L155	Multiplying and dividing positive and negative integers	Number and Operations: 6.2A; 6.3C, D
Activity 1	Percent Problems	Mathematical Process Standards: 6.1A-G; Proportionality 6.4E, F, G; 6.5B, C
Activity 2	Ratios in Word Problems	Mathematical Process Standards: 6.1A-G; Proportionality 6.4B, C, D; 6.5A
Activity 3	Real & Whole Numbers on a Number Line	Number and Operations: 6.2A, B, C
Activity 4	Area & Perimeter: Triangles	Expressions, Equations and Relationships: 6.8A, B, C, D
Activity 5	Area & Perimeter: Polygons	Expressions, Equations and Relationships: 6.8B, C, D
Activity 6	Area & Perimeter: Trapezoids	Expressions, Equations and Relationships: 6.8A, B, C, D
Activity 7	Calculating Area & Ratios	Mathematical Process Standards: 6.1A-G; Proportionality 6.4B, C, E, F, G, H; 6.5A, B, C; Expressions, Equations and Relationships: 6.8B, C, D
Activity 8	Graphing Coordinates on a Plane	Measurement and Data: 6.11
Activity 9	Constructing Cubes to Find Volume Using Exponents.	Expressions, Equations and Relationships: 6.7A; 6.8C, D
Activity 10	Collecting & Graphing Data	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, B, C, D; 6.13A, B
Activity 11	Displaying Data: Histograms	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, B, C, D; 6.13A, B

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**Texas 6<sup>th</sup> Grade TEKS /**  
**Excel Math Correlation by Lesson Number**

<b>Lesson (Activity) Number</b>	<b>Excel Math Lesson Objective</b>	<b>Texas Essential Knowledge and Skills</b>
Activity 12	Displaying Data: Dot Plots	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, B, C, D; 6.13A, B
Activity 13	Displaying Data: Box Plots	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, B, C, D; 6.13A, B
Activity 14	Balancing a Checkbook	Mathematical Process Standards: 6.1A-G; Personal Financial Literacy: 6.14*A, C, D
Activity 15	Data Using Charts: Unit Rate	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.13A, B
Activity 16	Mean Absolute Deviation	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, B, C; 6.13A, B
Activity 17	Interquartile Range	Mathematical Process Standards: 6.1A-G; Measurement and Data: 6.12A, B, C; 6.13A, B
Activity 18	Unit Rate, Speed, Range & Velocity	Mathematical Process Standards: 6.1A-G; Number and Operations: 6.3C, D, E; Proportionality 6.4A, B, C, D, H; 6.5A

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