



**Texas 1st Grade Standards /
Excel Math Correlation by Lesson Number**

Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
L1	Using the numerals 0 to 9	Number, operation, and quantitative reasoning. 1.1 (D)
L2	Selecting the correct numeral for a given set of pictures	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 2	Grouping and counting similar items	Number, operation, and quantitative reasoning. 1.1 (D) Probability and statistics 1.9 (A) *(B) Underlying processes and mathematical tools 1.11 (D), 1.12 (A)
L3	Writing the correct numeral for a given set	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 3	Creating numerals out of common materials	Number, operation, and quantitative reasoning. 1.1 (D)
L4	Writing the numerals 1 through 9	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 4	Grouping and counting items based on varying data	Number, operation, and quantitative reasoning. 1.1 (D) Probability and statistics 1.9 (A) *(B) Underlying processes and mathematical tools 1.11 (D), 1.12 (A) 1.13
L5	Filling in missing numbers when counting by 1 (0 through 9)	Patterns, relationships, and algebraic thinking. 1.4
Exercise 1	Using numbers in different ways	Number, operation, and quantitative reasoning. 1.1 (A) (B) (D) 1.3 *(A) (B)
L6	Learning the concept of 10	Number, operation, and quantitative reasoning. 1.1 (B) (D)
Activity 6	Recognizing, describing and creating patterns of sound and motion	Patterns, relationships, and algebraic thinking. 1.4
L7	Matching a set with an equal number of items	Number, operation, and quantitative reasoning. 1.1 (A) (D)
Activity 7	Creating shapes with string.	Geometry and spatial reasoning 1.6 (A)
L8	Identifying circles, squares, triangles and rectangles	Number, operation, and quantitative reasoning. 1.1 (D) Geometry and spatial reasoning 1.6 (A) (C)



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Activity 8	Using colors and shapes to represent patterns of sound and motion	Patterns, relationships, and algebraic thinking. 1.4 Geometry and spatial reasoning 1.6 (A)
L9	Identifying circles, squares, triangles and rectangles	Number, operation, and quantitative reasoning. 1.1 (D) Geometry and spatial reasoning 1.6 (A)(C)
Activity 9	Using colors and shapes to represent patterns of motion	Patterns, relationships, and algebraic thinking. 1.4
L10	Filling in missing numbers when counting down	Number, operation, and quantitative reasoning. 1.1 (D) Patterns, relationships, and algebraic thinking. 1.4
L11	Selecting the set with the most items	Number, operation, and quantitative reasoning. 1.1 (A) (D) Measurement 1.7 (D) Underlying processes and mathematical tools 1.12 (B)
Activity 11	Determining the higher value in a pair of numerals between 0 and 9	Number, operation, and quantitative reasoning. 1.1 (A)
L12	Selecting the set with the fewest items	Number, operation, and quantitative reasoning. 1.1 (A) (D) Measurement 1.7 (D)
Activity 12	Determining the lesser value in a pair of numerals between 0 and 9	Number, operation, and quantitative reasoning. 1.1 (A)
L13	Learning the concept of 11	Number, operation, and quantitative reasoning. 1.1 *(B) (D)
Activity 13	Comparing longer and shorter	Measurement 1.7 (A) (B) (C) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) 1.12 (A) (B), 1.13
L14	Adding 2 numbers with a sum less than 6	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (A) (B)
Activity 14	Comparing heavier and lighter; recording results on a chart	Measurement 1.7 (F) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A), 1.13



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L15	Adding 2 numbers with a sum less than 6	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (A) (B)
Exercise 2	Finding and writing numbers.	Number, operation, and quantitative reasoning. 1.1 (D)
L16	Learning the concept of 12	Number, operation, and quantitative reasoning. 1.1 *(B) (D)
Activity 16	Making a selection based on observation of clues	Probability and statistics 1.9 (A) 1.10 (A)
L17	Filling in missing numbers when counting up or down and crossing 10	Number, operation, and quantitative reasoning. 1.1 (D) Patterns, relationships, and algebraic thinking. 1.4
Activity 17	Comparing and sorting common objects using a variety of criteria	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L18	Adding 2 numbers with a sum less than 10	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (A) (B)
Activity 18	Practicing addition facts	Number, operation, and quantitative reasoning. 1.3 (B)
L19	Filling in more than 1 missing number when counting up crossing 10	Number, operation, and quantitative reasoning. 1.1 (D) Patterns, relationships, and algebraic thinking. 1.4
Activity 19	Modeling activity and sound patterns using shapes and colors	Patterns, relationships, and algebraic thinking. 1.4 Geometry and spatial reasoning 1.6 (A)
L20	Identifying comparison and position word pairs	Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B)
L21	Learning the concept of 13 and 14	Number, operation, and quantitative reasoning. 1.1 (A) *(B) (D)
Activity 21	Filling a container using multiple smaller containers	Measurement 1.7 (E)
L22	Learning the addition facts of 10	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (A) (B) Underlying processes and mathematical tools 1.11 (B)

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Activity 22	Observing and recreating patterns using visual memory	Patterns, relationships, and algebraic thinking. 1.4 Geometry and spatial reasoning 1.6 (A)
L23	Recognizing and adding pennies and using the cents symbol	Number, operation, and quantitative reasoning. 1.1 (C) (D)
Activity 23	Modeling patterns of movement	Patterns, relationships, and algebraic thinking. 1.4
L24	Learning the concept of 15 and 16	Number, operation, and quantitative reasoning. 1.1 (A) *(B) (D)
Activity 24	Measuring objects using non-standard units	Measurement 1.7 (A) (B) (C)
L25	Completing a pattern of shapes	Patterns, relationships, and algebraic thinking. 1.4 Geometry and spatial reasoning 1.6 (A)
Exercise 3	Identifying geometric figures and their positions; adding horizontally	Number, operation, and quantitative reasoning. 1.3 (A) (B) Geometry and spatial reasoning 1.6 (A)
L26	Telling time by the hour	Measurement 1.8 (B)
Activity 26	Comparing figures and grouping them into sets	Geometry and spatial reasoning 1.6 (A)
L27	Telling time by the hour	Measurement 1.8 (B)
Activity 27	Recognizing numeral equivalents; adding numbers	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (A) (B)
L28	Identifying a set that has 1 more item than a given set	Number, operation, and quantitative reasoning. 1.1 (A) (D) 1.3 *(A)
Activity 28	Identifying a point's location using the words inside and outside	Geometry and spatial reasoning 1.6 (A)
L29	Recognizing and adding nickels	Number, operation, and quantitative reasoning. 1.1 (C) (D) 1.3 (A) (B)
Activity 29	Estimating quantities in a container	Measurement 1.7 (E)
L30	Subtracting 2 numbers with a minuend less than 6	Number, operation, and quantitative reasoning. 1.3 (A) (B) Underlying processes and mathematical tools 1.12 (A) (B), 1.13
L31	Subtracting 2 numbers with a minuend less than 6	Number, operation, and quantitative reasoning. 1.3 (A) (B) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D)



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Activity 31	Practicing subtraction facts	Number, operation, and quantitative reasoning. 1.3 (B)
L32	Adding 3 numbers with a sum less than 10	Number, operation, and quantitative reasoning. 1.3 (A) (B) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D)
Activity 32	Measuring and comparing various dimensions	Measurement 1.7 (A) (B) (C) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L33	Learning the concept of 17, 18 and 19.	Number, operation, and quantitative reasoning. 1.1 * (B) (D) 1.3 (B)
Activity 33	Practicing regrouping	Number, operation, and quantitative reasoning. 1.1 (B) Patterns, relationships, and algebraic thinking. 1.5 (C)
L34	Identifying a set that has 1 less item than a given set	Number, operation, and quantitative reasoning. 1.1 (A) 1.3 (A)
Activity 34	Identifying shared characteristics of members of a set	Probability and statistics 1.9 (A) (B)
L35	Learning the addition facts of 11	Number, operation, and quantitative reasoning. 1.3 (A) (B)
L36	Fill in two consecutive missing numbers in a series.	Number, operation, and quantitative reasoning. 1.3 (B) Patterns, relationships, and algebraic thinking. 1.4
Activity 36	Give and Follow directions using location terms.	Underlying processes and mathematical tools 1.11 (A) 1.12 (B)
L37	Subtract 2 one-digit numbers with a minuend less than 8.	Number, operation, and quantitative reasoning. 1.3 (A) (B) Underlying processes and mathematical tools 1.11 (B) (C) (D)
Activity 37	Identify similarities and differences between like objects.	Geometry and spatial reasoning 1.6 (A) Probability and statistics 1.9 (A)
L38	Write addition and subtraction problems horizontally.	Number, operation, and quantitative reasoning. 1.3 (A) (B)



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Activity 38	Identify vertical, diagonal and horizontal objects.	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L39	Write addition and subtraction problems horizontally	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 39	Sort items whose weight is greater than, less than or equal to another item.	Measurement 1.7 (F)
L40	Fill in missing numbers in the middle of a series.	Patterns, relationships, and algebraic thinking. 1.4
Exercise 4	Write the words for numbers and geometric shapes.	Number, operation, and quantitative reasoning. 1.1 (D) Geometry and spatial reasoning 1.6 (A)
L41	Add 2 one-digit numbers with a sum of twelve.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 41	Estimate quantities	Measurement 1.7 (E) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L42	Count up to 29 items	Number, operation, and quantitative reasoning. 1.1 (B) Patterns, relationships, and algebraic thinking. 1.4, 1.5 (A) (C)
Activity 42	Measure and compare the temperatures of cold, cool, warm and hot water.	Measurement 1.7 (G)
L43	Add numbers by starting with the larger one and adding on.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 43	Weigh an object using non-standard units.	Measurement 1.7 (F)
L44	Subtract 2 one-digit numbers with a minuend less than 10.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 44	Reasoning – Put events in order	Measurement 1.8 *(A)
L45	Write addition number sentences.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
L46	Recognize the words zero, one, two, three, four and five.	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (B)

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Activity 46	Represent numbers in multiple ways.	Number, operation, and quantitative reasoning. 1.1 (D)
L47	Recognize the words six, seven, eight, nine and ten.	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 47	Hop as directed by number cards.	Number, operation, and quantitative reasoning. 1.1 (D)
L48	Add a one-digit and two-digit number with a sum less than 20.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 48	Measurement - Capacity	Measurement 1.7 (E)
L49	Add a one-digit and two-digit number with a sum less than 20.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 49	Find multiple geometric shapes in one complex drawing.	Geometry and spatial reasoning 1.6 (A) (D)
L50	Measure lengths using non-standard units.	Measurement 1.7 (A) (B) (C)
Exercise 5	Measure shapes with rulers and define the characteristics of a good measuring device.	Measurement 1.7 (A) (B) (C) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (D), 1.12 (A) (B), 1.13
L51	Recognize and add dimes.	Number, operation, and quantitative reasoning. 1.1 (B) (C) 1.3 (A) (B)
Activity 51	Observe and recreate patterns using visual memory.	Patterns, relationships, and algebraic thinking. 1.4 Geometry and spatial reasoning 1.6 (A)
L52	Select the number with the greatest value.	(1.1) Number, operation, and quantitative reasoning. (A)
Activity 52	Determine which of two containers has the greater volume.	Probability and statistics 1.9 (A) (B) 1.10 (A)
L53	Select the number with the least value.	(1.1) Number, operation, and quantitative reasoning. (A)
Activity 53	Determine which of four objects weighs the least.	Measurement 1.7 (F)
L54	Learn the addition facts of 13.	Number, operation, and quantitative reasoning. 1.3 (A) (B) Underlying processes and mathematical tools 1.11 (B) (C) (D)

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Activity 54	Discover all the possible combinations of food items.	Number, operation, and quantitative reasoning 1.2 (B) Probability and statistics 1.9 (A) (B) 1.10 (A) *(B) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L55	Learn the probability terms of certain, impossible, likely and unlikely.	Probability and statistics 1.9 (B)
L56	Measure common objects and line segments to the nearest inch.	Number, operation, and quantitative reasoning. 1.3 (B) Measurement 1.7 (A) (B) (C)
Activity 56	Represent patterns of motion and sound verbally and using blocks.	Patterns, relationships, and algebraic thinking. 1.4
L57	Write number sentences using subtraction.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 57	Fit simple shapes over a complex shape.	Geometry and spatial reasoning 1.6 (A) (D)
L58	Learn subtraction facts up through 10.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 58	Practice addition and subtraction facts using their listening skills.	Number, operation, and quantitative reasoning. 1.3 (B)
L59	Recognize and write ordinals first-fifth in word and number form.	
Activity 59	Create patterns using animal shapes.	Patterns, relationships, and algebraic thinking. 1.4
L60	Choose the correct operation symbol for a number sentence.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Exercise 6	Recognize and use math words	(1.1) Number, operation, and quantitative reasoning. (D)
L61	Count up to 39.	Number, operation, and quantitative reasoning. 1.1 *(B) (D) 1.3 (A) Patterns, relationships, and algebraic thinking. 1.4
Activity 61	Create triangles and other shapes from rectangular sheets of paper.	Geometry and spatial reasoning 1.6 (A) (D)
L62	Tell time on the half hour.	Number, operation, and quantitative reasoning. 1.3 (A) Measurement 1.8 (B)



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Activity 62	Solve a logic problem.	Underlying processes and mathematical tools 1.11 (B) (C) (D), 1.12 (A) (B), 1.13
L63	Group by ten	Number, operation, and quantitative reasoning. 1.1 (B) Patterns, relationships, and algebraic thinking. 1.5 (B)
Activity 63	Weigh various objects.	Measurement 1.7 (F)
L64	Combine 3 one-digit numbers with a sum greater than 10.	Number, operation, and quantitative reasoning. 1.3 (B)
Activity 64	Create geometric shapes by moving lines.	Geometry and spatial reasoning 1.6 (D)
L65	Draw, sort and compare geometric shapes.	Geometry and spatial reasoning 1.6 (A) (C)
L66	Write addition number sentences from story problems	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 66	Determine the probability of rolling combinations of letters marked on a cube.	Number, operation, and quantitative reasoning 1.2 (B) Probability and statistics 1.9 (A) (B) 1.10 (A) (B) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L67	Write subtraction number sentences from story problems.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 67	Complete a probability chart based on rolling random numbers.	Number, operation, and quantitative reasoning 1.2 (B) 1.3 (A) (B) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.12 (A) (B), 1.13
L68	Recognize the design and monetary value of the quarter and use the dollar sign and decimal point.	Number, operation, and quantitative reasoning. 1.1 (C)
Activity 68	Identify and compare characteristics of coins.	Number, operation, and quantitative reasoning. 1.1 (C)
L69	Group by tens when counting higher than 19.	Number, operation, and quantitative reasoning. 1.1 (B) (D) Patterns, relationships, and algebraic thinking. 1.5 (B) (C)



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Activity 69	Balance a scale by moving weights from one side to the other.	Measurement 1.7 (F)
L70	Learn addition facts of 14 and count up to 49.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
L71	Recognize addition and subtraction fact families.	Number, operation, and quantitative reasoning. 1.3 (B) Patterns, relationships, and algebraic thinking. 1.5 (D) (E)
Activity 71	Use various tools for measuring volume.	
L72	Recognize addition and subtraction fact families up to 9. Count up to 59.	Number, operation, and quantitative reasoning. 1.1 (B) (D) 1.3 (B) Patterns, relationships, and algebraic thinking. 1.4, 1.5 (A) (B) (D) (E)
Activity 72	Use family relationships to group people into sets.	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (D), 1.12 (A) (B), 1.13
L73	Gather information using tally charts.	Patterns, relationships, and algebraic thinking. 1.5 (A) (D) Probability and statistics 1.9 (A) (B), 1.10 (A) Underlying processes and mathematical tools 1.11 (A) 1.12 (A) (B) 1.13
Activity 73	Model fact families.	Patterns, relationships, and algebraic thinking. 1.5 (D) (E)
L74	Learn subtraction facts of 11: students will count to 69.	Number, operation, and quantitative reasoning. 1.1 (B) 1.3 (A) (B) Patterns, relationships, and algebraic thinking. 1.5 (A) (B)
Activity 74	Demonstrate positional words.	Underlying processes and mathematical tools 1.11 (A) (D), 1.12 (B)
L75	Sort geometric figures by common attributes.	Geometry and spatial reasoning 1.6 (A) (C)
Exercise 7	Draw geometric shapes and describe them in words.	Geometry and spatial reasoning 1.6 (A)
L76	Recognize the days of the week in order.	



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Activity 76	Arrange a series of events in a logical order and tell a story.	Measurement 1.8 (A)
L77	Obtain numerical information from a story problem.	Underlying processes and mathematical tools 1.11 (B) (C) (D)
Activity 77	Find a location based on verbal directions.	Underlying processes and mathematical tools 1.11 (A) (D), 1.12 (B)
L78	Use a number line to solve addition problems.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 78	Create repeating patterns using pictures.	Patterns, relationships, and algebraic thinking. 1.4
L79	Using number lines to solve subtraction problems	Number, operation, and quantitative reasoning. 1.3 (A) (B) Probability and statistics 1.9 (A) (B)
Activity 79	Explaining how to get from one point to another on a map	Underlying processes and mathematical tools 1.11 (A)
L80	Selecting a number that is less than a given number	Number, operation, and quantitative reasoning. 1.1 (A)
L81	Selecting a number that is greater than a given number	Number, operation, and quantitative reasoning. 1.1 (A)
Activity 81	Studying different coin designs	Number, operation, and quantitative reasoning. 1.1 (C)
L82	Recognizing the words eleven, twelve and thirteen; counting up to 99	Number, operation, and quantitative reasoning. 1.1 (B) (D) Patterns, relationships, and algebraic thinking. 1.4, 1.5 (A)
Activity 82	Representing numbers in multiple ways	Number, operation, and quantitative reasoning. 1.1 (D)
L83	Measuring a line segment to the nearest centimeter	Measurement 1.7 (A) (B) (C)
Activity 83	Studying different coins	Number, operation, and quantitative reasoning. 1.1 (C)
L84	Learning the addition facts of 15, 16, 17 and 18	Number, operation, and quantitative reasoning. 1.1 (D) 1.3 (B)
Activity 84	Creating coin designs	Number, operation, and quantitative reasoning. 1.1 (C)
L85	Solving word problems using addition in a number sentence.	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Exercise 8	Write word problems from pictures	Number, operation, and quantitative reasoning. 1.3 (A)



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L86	Recognizing numbers represented by tens and ones	Number, operation, and quantitative reasoning. 1.1 (B) (D) Patterns, relationships, and algebraic thinking. 1.5 (A) (C)
Activity 86	Creating mirror images of complex shapes	Geometry and spatial reasoning 1.6 (A) (D)
L87	Reading scales measuring volume, temperature and weight	Measurement 1.7 (F) (G)
Activity 87	Identifying, describing and creating patterns	Patterns, relationships, and algebraic thinking. 1.4
L88	Learning the subtraction facts of 12	Number, operation, and quantitative reasoning. 1.3 (B) Patterns, relationships, and algebraic thinking. 1.5 (D) (E)
Activity 88	Creating different shapes by adding lines to a drawing	Geometry and spatial reasoning 1.6 (A) (D)
L89	Calculating value of a number shown as sum or difference of 2 numbers	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 89	Moving objects in a logical manner	Geometry and spatial reasoning 1.6 (A)
L90	Recognizing a number series counting by 1, 5 or 10	Patterns, relationships, and algebraic thinking. 1.5 (A) (B)
L91	Putting 3 numbers in order from least to greatest	Number, operation, and quantitative reasoning. 1.1 (A) Measurement 1.7 (A) (B) (C) (F)
Activity 91	Working with non-standard measurement units	
L92	Writing a number sentence from a number line	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 92	Modeling word problems involving numbers	Number, operation, and quantitative reasoning. 1.3 (A) (B)
L93	Learning the subtraction facts of 13	Number, operation, and quantitative reasoning. 1.3 (A) (B) Patterns, relationships, and algebraic thinking. 1.5 (D) (E) Underlying processes and mathematical tools 1.11 (A)
Activity 93	Finding minor differences between similar images	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.12 (A) (B), 1.13

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L94	Recognizing the words fourteen, fifteen, twenty, thirty and forty	Number, operation, and quantitative reasoning. 1.1 (B)
Activity 94	Creating pie charts to represent the probability of selecting objects	Number, operation, and quantitative reasoning 1.2 (B) Probability and statistics 1.9 (A) (B) 1.10 (A) (B) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L95	Learning day, week, month, year; naming the twelve months of the year	
Exercise 9	Writing days, seasons, months and holidays	
L96	Adding a two-digit number and a one-digit number	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 96	Identifying possible combinations	Number, operation, and quantitative reasoning 1.2 (B) Patterns, relationships, and algebraic thinking. 1.4 Probability and statistics 1.9 (A) (B) 1.10 (A) (B) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L97	Adding 2 two-digit numbers, no regrouping	Number, operation, and quantitative reasoning. 1.1 (B) 1.3 (A) (B) Patterns, relationships, and algebraic thinking. 1.5 (C)
Activity 97	Creating shapes by removing lines from a drawing	Geometry and spatial reasoning 1.6 (A) (D)
L98	Recognizing the words sixteen, seventeen, eighteen and nineteen	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 98	Acting out patterns of sound and motion from written descriptions	Patterns, relationships, and algebraic thinking. 1.4
L99	Adding 4 one-digit numbers with a sum less than 20	Number, operation, and quantitative reasoning. 1.3 (B)
Activity 99	Representing the intersection of sets with Venn diagrams	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13



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L100	Solving word problems using subtraction	Number, operation, and quantitative reasoning. 1.3 (A)
L101	Solving word problems using addition and subtraction	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 101	Creating similar shapes using colored pattern blocks	Geometry and spatial reasoning 1.6 (A) (D)
L102	Filling in missing numbers when counting by 10	Patterns, relationships, and algebraic thinking. 1.5 (A)
Activity 102	Calculating probability based on information in a Venn diagram	Number, operation, and quantitative reasoning 1.2 (B) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L103	Filling in missing addends in a number sentence	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 103	Changing the appearance of a shape by moving lines	Geometry and spatial reasoning 1.6 (A) (D)
L104	Filling in missing addends in a number sentence	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 104	Sorting similar objects and recording differences between them	Probability and statistics 1.9 (A) (B)
L105	Observing change and determining the order of events	Measurement 1.8 (A)
L106	Learning the subtraction facts of 14 and 15	Number, operation, and quantitative reasoning. 1.3 (B) Patterns, relationships, and algebraic thinking. 1.5 (D) (E)
Activity 106	Comparing and ranking two 2-digit numbers	Number, operation, and quantitative reasoning. 1.1 (A) (B) Patterns, relationships, and algebraic thinking. 1.5 (C)
L107	Learning the parts of a fraction and filling in the denominator	Number, operation, and quantitative reasoning 1.2 (A) (B) (D)
Activity 107	Changing the appearance of a shape by moving lines	Geometry and spatial reasoning 1.6 (A) (D)
L108	Filling in the denominator of a fraction	Number, operation, and quantitative reasoning 1.2 (A) (B)

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Activity 108	Identifying all possible orders	Number, operation, and quantitative reasoning 1.2 (B) Probability and statistics 1.9 (A) (B) 1.10 (A) (B) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L109	Recognizing the words fifty and sixty	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 109	Overlaying small pattern blocks onto complex shapes	Geometry and spatial reasoning 1.6 (A) (D)
L110	Subtracting a one-digit number from a two-digit number	Number, operation, and quantitative reasoning. 1.1 (B) 1.3 (B)
Exercise 10	Identifying math symbols	
L111	Subtracting 2 two-digit numbers	Number, operation, and quantitative reasoning. 1.3 (B)
Activity 111	Exchanging ones and tens	Number, operation, and quantitative reasoning. 1.1 (B) Patterns, relationships, and algebraic thinking. 1.5 (C)
L112	Filling in missing numbers when counting by 5	Patterns, relationships, and algebraic thinking. 1.4, 1.5 (A)
Activity 112	Creating shapes by moving lines on a drawing	Geometry and spatial reasoning 1.6 (A) (D)
L113	Recognizing the words seventy, eighty and ninety	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 113	Identifying items by process of elimination	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L114	Adding 4 one-digit numbers with a sum greater than 19	Number, operation, and quantitative reasoning. 1.3 (B)
Activity 114	Writing number words to match the correct numerals	Number, operation, and quantitative reasoning. 1.1 (D)
L115	Interpreting information given in picture graphs	Probability and statistics 1.9 (A) Underlying processes and mathematical tools 1.11 (A) 1.12 (A) (B) 1.13

Texas 1st Grade Standards /
Excel Math Correlation by Lesson Number

Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
L116	Learning the subtraction facts of 16, 17 and 18	Number, operation, and quantitative reasoning. 1.3 (B) Patterns, relationships, and algebraic thinking. 1.5 (D) (E)
Activity 116	Giving directions to get from one point to another on a map	Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L117	Filling in missing subtrahends in a number sentence	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 117	Calculating sums and differences for pairs of numbers	Number, operation, and quantitative reasoning. 1.3 (A) (B)
L118	Recognizing any number word less than 100	Number, operation, and quantitative reasoning. 1.1 (D)
Activity 118	Adding numbers and moving game pieces based on calculations	Number, operation, and quantitative reasoning. 1.3 (B)
L119	Filling in the numerator of a fraction	Number, operation, and quantitative reasoning 1.2 (A) (B)
Activity 119	Overlaying small pattern blocks onto complex shapes	Geometry and spatial reasoning 1.6 (A) (D)
L120	Gathering information to put into graphs	Probability and statistics 1.9 (A) (B), 1.10 (A) *(B) Underlying processes and mathematical tools 1.11 (A)(D), 1.12 (A) (B), 1.13
Exercise 11	Writing weather facts, quantitative and qualitative	Underlying processes and mathematical tools 1.12 (A) (B), 1.13
L121	Recognizing the < less than, > greater than and = equal to symbols	Number, operation, and quantitative reasoning. 1.1 (A)
Activity 121	Creating shapes by removing lines from a drawing	Geometry and spatial reasoning 1.6 (A) (D)
L 122	Adding 2 two-digit numbers horizontally	Number, operation, and quantitative reasoning. 1.1 (B) 1.3 (B)
Activity 122	Drawing lines of symmetry on letters	Geometry and spatial reasoning 1.6 (D)
L123	Subtracting 2 two-digit numbers horizontally	Number, operation, and quantitative reasoning. 1.3 (A) (B)
Activity 123	Combining numbers to form true number sentences	Number, operation, and quantitative reasoning. 1.3 (A)
L124	Recognizing a number series counting by even twos	Patterns, relationships, and algebraic thinking. 1.4, 1.5 (A) (B)

**Texas 1st Grade Standards /
Excel Math Correlation by Lesson Number**

Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
Activity 124	Creating animal figures using pattern blocks	Geometry and spatial reasoning 1.6 (D)
L125	Reasoning using overlapping figures	Number, operation, and quantitative reasoning 1.2 (B) Geometry and spatial reasoning 1.6 (A) (D) Probability and statistics 1.9 *(B)
L126	Calculating a number one more or one less than a given number	Number, operation, and quantitative reasoning. 1.1 (A) (B)
Activity 126	Finding basic shapes within complex figures	Geometry and spatial reasoning 1.6 (A) (D)
L127	Recognizing basic fact families with sums of 10 and greater	
Activity 127	Subtracting repeatedly from 90 to zero	Number, operation, and quantitative reasoning. 1.3 (A) (B) Patterns, relationships, and algebraic thinking. 1.5 (E)
L128	Finding the fractional part of a group of figures	
Activity 128	Identifying coins by their size and characteristics	Number, operation, and quantitative reasoning. 1.1 (C)
L129	Calculating a number ten more or ten less than a given number	Number, operation, and quantitative reasoning. 1.1 (A) Patterns, relationships, and algebraic thinking. 1.5 (A)
Activity 129	Creating tile designs using pattern blocks	Geometry and spatial reasoning 1.6 (D)
L130	Counting past 100	Number, operation, and quantitative reasoning. 1.1 (B) Patterns, relationships, and algebraic thinking. 1.5 (A) (B) (C)
Exercise 12	Graphing information in different ways	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L131	Recognizing odd and even numbers up to 10	Patterns, relationships, and algebraic thinking. 1.5 (B)
Activity 131	Matching numbers that are 1 apart and those that are 10 apart	Number, operation, and quantitative reasoning. 1.1 (A)
L132	Recognizing and writing the ordinals first through tenth	

**Texas 1st Grade Standards /
Excel Math Correlation by Lesson Number**

Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
Activity 132	Creating numerals using limbs	Number, operation, and quantitative reasoning. 1.1 (D)
L133	Recognizing a number series counting by odd twos	Patterns, relationships, and algebraic thinking. 1.4, 1.5 (A) (B)
Activity 133	Creating shapes by removing lines from a drawing	Geometry and spatial reasoning 1.6 (A) (D)
L134	Estimating answers	Measurement 1.7 (A) (B) (C) (E) (F)
Activity 134	Writing fractions that represent sets shown in Venn diagrams	Number, operation, and quantitative reasoning 1.2 (B) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D), 1.12 (A) (B), 1.13
L135	Identifying and drawing lines, sides, angles, corners and vertices	Geometry and spatial reasoning 1.6 (A) (C)
L136	Adding a two-digit number and a one-digit number horizontally	Number, operation, and quantitative reasoning 1.3 (A)
Activity 136	Comparing weight of different packages; creating and analyzing graphs	Measurement 1.7 (F) Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L137	Subtracting a one-digit number from a two-digit number horizontally	Number, operation, and quantitative reasoning 1.3 (A)
Activity 137	Sorting capital letters according to curved and straight lines	Geometry and spatial reasoning 1.6 (C)
L138	Telling time by 5 minutes, given the hour	Measurement 1.8 (B)
Activity 138	Estimating the amount of time activities will take	Measurement 1.8 (A)
L139	Identifying coins that add to a given amount	Number, operation, and quantitative reasoning. 1.1 (C) 1.3 (A)
Activity 139	Arranging a sequence of events in pictorial form	Measurement 1.8 (A)
L140	Recognizing flips, slides and turns	
L141	Filling in a missing number on one side of a number sentence	Number, operation, and quantitative reasoning. 1.3 (A) (B)

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Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
Activity 141	Creating a virtual picture chart	Probability and statistics 1.9 (A) (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B)
L142	Adding 3 one-digit numbers horizontally	Number, operation, and quantitative reasoning 1.3 (B)
Activity 142	Determining the best type of chart to use to display information	Probability and statistics 1.9 (B) 1.10 (A) Underlying processes and mathematical tools 1.11 (A), 1.12 (A) (B), 1.13
L143	Estimating how much time events take; identifying least or most time	Measurement 1.8 (A)
Activity 143	Sorting clocks according to the times they show	Measurement 1.8 (A) (B)
L144	Filling in missing numbers when counting up by twos	Number, operation, and quantitative reasoning. 1.1 (C) Patterns, relationships, and algebraic thinking. 1.5 (A)
Activity 144	Calculating maximum number of coins that can be used to give change	(1.1) Number, operation, and quantitative reasoning. (A)
L145	Following directions to get to a location	Underlying processes and mathematical tools 1.11 (A)
L146	Regrouping when adding a two-digit and one-digit number using a number line	Number, operation, and quantitative reasoning. 1.3 (A)
Activity 146	Solving logic puzzles and rewriting puzzles so that the answer is true	Underlying processes and mathematical tools 1.11 (B) (C)
L147	Regrouping when adding a two-digit and one-digit number	Number, operation, and quantitative reasoning. 1.1 (B) 1.3 (A)
Activity 147	Classifying images by their characteristics	Geometry and spatial reasoning 1.6 *(B)
L148	Filling in the numerator and the denominator of a fraction	(1.2) Number, operation, and quantitative reasoning (A) (B)
Activity 148	Drawing geometric shapes from a verbal description of the shape	Geometry and spatial reasoning 1.6 (A)
L149	Adding 3 one-digit numbers with a sum greater than 19	Number, operation, and quantitative reasoning. 1.3 (B)



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Lesson (Activity) Number	Excel Math Lesson Objective	Texas Essential Knowledge and Skills
Activity 149	Solving logic puzzles and rewriting puzzles so that the answer is true	Underlying processes and mathematical tools 1.11 (B) (C)
L150	Recognizing and naming solid shapes	Geometry and spatial reasoning 1.6 (B)
L151	Identifying solid shapes	Geometry and spatial reasoning 1.6 (B) (C)
Activity 151	Solving logic puzzles by trial and error	Number, operation, and quantitative reasoning. 1.3 (A) Underlying processes and mathematical tools 1.11 (A) (B) (C) (D)
L152	Telling time by 5 minutes	Measurement 1.8 (A)
Activity 152	Creating similar shapes using colored pattern blocks	Geometry and spatial reasoning 1.6 (A) (D)
L153	Drawing lines of symmetry	Geometry and spatial reasoning 1.6 *(D)
Activity 153	Creating shapes by removing lines from a drawing	Geometry and spatial reasoning 1.6 (A) (D)
L154	Using the dollar symbol and decimal; recognizing dollar coins and bills	Number, operation, and quantitative reasoning. 1.1 (C) 1.3 (A) (B)
Activity 154	Completing a pattern of shapes	Patterns, relationships, and algebraic thinking. 1.4
L155	Adding and subtracting fractions	(1.2) Number, operation, and quantitative reasoning (A) (B)

Texas Essential Knowledge and Skills	Excel Math Lesson Numbers	Activity Numbers
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NUMBER, OPERATION, QUANTITATIVE REASONING

(1.1) Number, operation, and quantitative reasoning. The student uses whole numbers to describe and compare quantities		
(A) Compare and order whole numbers up to 99 (less than, greater than, or equal to) using sets of concrete objects and pictorial models;	7, 11, 12, 21, 24, 28, 34, 52, 53, 80, 81, 91, 121, 126, 129	11, 12, 106, 131, 144 Exercise: 1 Objects: 17, 26, 34, 37, 93, 104, 147
(B) Create sets of tens and ones using concrete objects to describe, compare, and order whole numbers;	6, *13, *16, *21, *24, *33, 42, 51, *61, 63, 69, 72, 74, 82, 86, 94, 97, 111, 122, 126, 130, 147	33, 106, 111 Exercise: 1
(C) Identify individual coins by name and value and describe relationships among them; and	23, 29, 51, 68, 139, 154	68, 81, 83, 84, 128, 144
(D) Read and write numbers to 99 to describe sets of concrete objects.	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 28, 29, 33, 46, 47, 61, 69, 72, 82, 86, 84, 98, 109, 113, 118 Ordinals: 59, 132	2, 3, 4, 27, 46, 47, 82, 114, 132 Exercise: 1, 2, 4, 6
(1.2) Number, operation, and quantitative reasoning. The student uses pairs of whole numbers to describe fractional parts of whole objects or sets of objects.		
(A) Separate a whole into two, three, or four equal parts and use appropriate language to describe the parts such as three out of four equal parts; and	107, 108, 119, 148, 155	
(B) Use appropriate language to describe part of a set such as three out of the eight crayons are red.	107, 108, 119, 125, 148, 155	54, 66, 67, 94, 96, 102, 108, 134
(1.3) Number, operation, and quantitative reasoning. The student recognizes and solves problems in addition and subtraction situations.		
(A) Model and create addition and subtraction problem situations with concrete objects and write corresponding number sentences; and	14, 15, 18, 22, *28, 29, 30, 31, 32, 34, 35, 37, 38, 39, 41, 43, 44, 45, 48, 49, 51, 54, 57, 58, 60, 61, 66, 67, 70, 74, 78, 79, 85, 89, 92, 93, 96, 97, 100, 101, 103, 104, 117, 123, 136, 137, 139, 141, 146, 147, 154	27, 62, 67, 92, 117, 123, 127, 151 Exercise: *1, 3, 8
(B) Use concrete and pictorial models to apply basic addition and subtraction facts (up to $9 + 9 = 18$ and $18 - 9 = 9$).	14, 15, 18, 22, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 41, 43, 44, 45, 46, 48, 49, 51, 54, 56, 57, 58, 60, 64, 66, 67, 70, 71, 72, 74, 78, 79, 84, 85, 88, 89, 92, 93, 96, 97, 99, 101, 103, 104, 106, 110, 111, 114, 116, 117, 122, 123, 141, 142, 149, 154	18, 27, 31, 58, 67, 92, 117, 118, 127 Exercise: 1, 3

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Texas Essential Knowledge and Skills	Excel Math Lesson Numbers	Activity Numbers
PATTERNS, RELATIONSHIPS, ALGEBRAIC THINKING		
(1.4) Patterns, relationships, and algebraic thinking. The student uses repeating patterns and additive patterns to make predictions.		
The student is expected to identify, describe, and extend concrete and pictorial patterns in order to make predictions and solve problems.	5, 10, 17, 19, 25, 36, 40, 42, 61, 72, 82, 112, 124, 133, 144	6, 8, 9, 19, 22, 23, 51, 56, 59, 78, 87, 96, 98, 154
(1.5) Patterns, relationships, and algebraic thinking. The student recognizes patterns in numbers and operations.		
(A) Use patterns to skip count by twos, fives, and tens;	42, 72, 73, 74, 82, 86, 90, 102, 112, 124, 129, 130, 133, 144	
(B) Find patterns in numbers, including odd and even;	63, 69, 72, 74, 82, 90, 124, 130, 131, 133	
(C) Compare and order whole numbers using place value;	42, 69, 86, 97, 130	33, 106, 111
(D) Use patterns to develop strategies to solve basic addition and basic subtraction problems; and	71, 72, 73, 88, 93, 106, 116	73
(E) Identify patterns in related addition and subtraction sentences (fact families for sums to 18) such as $2 + 3 = 5$, $3 + 2 = 5$, $5 - 2 = 3$, and $5 - 3 = 2$.	71, 72, 88, 93, 106, 116, 127	73

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Texas Essential Knowledge and Skills	Excel Math Lesson Numbers	Activity Numbers
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GEOMETRY, SPATIAL REASONING

(1.6) Geometry and spatial reasoning. The student uses attributes to identify two- and three-dimensional geometric figures. The student compares and contrasts two- and three-dimensional geometric figures or both.		
(A) Describe and identify two-dimensional geometric figures, including circles, triangles, rectangles, and squares (a special type of rectangle);	8, 9, 25, 65, 75, 125, 135 Flip/Slide/Turn:140	7, 8, 19, 22, 26, 28, 37, 49, 51, 57, 61, 86, 88, 89, 97, 101, 103, 107, 109, 112, 119, 121, 126, 133, 148, 152, 153 Exercise: 3, 4, 7
(B) Describe and identify three-dimensional geometric figures, including spheres, rectangular prisms (including cubes), cylinders, and cones;	150, 151	*147
(C) Describe and identify two- and three-dimensional geometric figures in order to sort them according to a given attribute using informal and formal language; and	8, 9, 65, 75, 135, 151	137
(D) Use concrete models to combine two-dimensional geometric figures to make new geometric figures.	Symmetry 153	49, 57, 61, 64, 86, 88, 97, 101, 103, 107, 109, 112, 119, 121, 122 (symmetry), 124, 126, 129, 133, 152, 153

MEASUREMENT

(1.7) Measurement. The student directly compares the attributes of length, area, weight/mass, capacity, and temperature. The student uses comparative language to solve problems and answer questions. The student selects and uses nonstandard units to describe length.		
(A) Estimate and measure length using nonstandard units such as paper clips or sides of color tiles;	50, 56, 83, 91, 134	13, 24, 32 Exercise: 5
(B) Compare and order two or more concrete objects according to length (from longest to shortest);	50, 56, 83, 91, 134	13, 24, 32 Exercise: 5
(C) Describe the relationship between the size of the unit and the number of units needed to measure the length of an object;	50, 56, 83, 91, 134	13, 24, 32 Exercise: 5

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Texas Essential Knowledge and Skills	Excel Math Lesson Numbers	Activity Numbers
(D) Compare and order the area of two or more two-dimensional surfaces (from covers the most to covers the least);	11, 12, 107, 125	
(E) Compare and order two or more containers according to capacity (from holds the most to holds the least);	134 Volume: 87	21, 29, 41, 48 Volume: 52, 71
(F) Compare and order two or more objects according to weight/mass (from heaviest to lightest); and	87, 91, 134	14, 39, 43, 53, 63, 69, 136
(G) Compare and order two or more objects according to relative temperature (from hottest to coldest).	87	42
(1.8) Measurement. The student understands that time can be measured. The student uses time to describe and compare situations.		
(A) Order three or more events according to duration; and	105, 143	*44, 76, 138, 139, 143 Deductive Reasoning: 146, 149
(B) Read time to the hour and half-hour using analog and digital clocks.	26, 27, 62, 138, 152 Days/Months/Year: 76, 95	143 Days/Months/Year: Exercise 9

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Texas Essential Knowledge and Skills	Excel Math Lesson Numbers	Activity Numbers
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PROBABILITY AND STATISTICS		
(1.9) Probability and statistics. The student displays data in an organized form.		
(A) Collect and sort data; and	73, 120	2, 4, 13, 14, 16, 17, 32, 34, 37, 38, 41, 52, 54, 66, 67, 72, 79, 93, 94, 96, 99, 102, 104, 108, 113, 134, 136, 141 Exercise: 5, 12
(B) Use organized data to construct real-object graphs, picture graphs, and bar-type graphs.	73, 120	*2, *4, 13, 14, 17, 32, 34, 38, 41, 52, 54, 66, 67, 72, 79, 93, 94, 96, 99, 102, 104, 108, 113, 134, 136, 141, 142 Exercise: 5, 12
(1.10) Probability and statistics. The student uses information from organized data.		
A) Draw conclusions and answer questions using information organized in real-object graphs, picture graphs, and bar-type graphs; and	73, 115, 120	13, 14, 16, 17, 32, 38, 41, 52, 54, 66, 67, 72, 93, 94, 96, 99, 102, 108, 113, 134, 136, 141, 142 Exercise: 5, 12
(B) Identify events as certain or impossible such as drawing a red crayon from a bag of green crayons.	55, *120, *125	*54, 66, 94, 96, 108
UNDERLYING PROCESSES AND MATHEMATICAL TOOLS		
(1.11) Underlying processes and mathematical tools. The student applies Grade 1 mathematics to solve problems connected to everyday experiences and activities in and outside of school.		
(A) Identify mathematics in everyday situations;	20, 31, 32, 73, 115, 120, 145	13, 14, 17, 32, 36, 38, 41, 54, 66, 72, 74, 77, 79, 93, 94, 96, 99, 102, 108, 113, 116, 134, 136, 141, 142, 151 Exercise: 5, 12
(B) Solve problems with guidance that incorporates the processes of understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness;	22, 31, 32, 37, 54, 77	41, 54, 62, 94, 99, 102, 108, 134, 146, 149, 151 Exercise: 12

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Texas Essential Knowledge and Skills	Excel Math Lesson Numbers	Activity Numbers
(C) Select or develop an appropriate problem-solving plan or strategy including drawing a picture, looking for a pattern, systematic guessing and checking, or acting it out in order to solve a problem; and	22, 31, 32, 37, 54, 77	41, 54, 62, 94, 99, 102, 108, 134, 146, 149, 151 Exercise: 12
(D) Use tools such as real objects, manipulatives, and technology to solve problems.	20, 22, 31, 32, 37, 54, 77, 120	2, 4, 41, 54, 62, 72, 74, 77, 94, 99, 102, 108, 134, 151 Exercise: 5, 12
(1.12) Underlying processes and mathematical tools. The student communicates about Grade 1 mathematics using informal language.		
(A) Explain and record observations using objects, words, pictures, numbers, and technology; and	20, 30, 73, 115, 120	2, 4, 13, 14, 17, 32, 38, 41, 54, 62, 66, 67, 72, 93, 94, 96, 99, 102, 108, 113, 116, 134, 136, 141, 142 Exercise: 5, 11, 12
(B) Relate informal language to mathematical language and symbols.	11, 20, 30, 73, 115, 120	13, 17, 32, 36, 38, 41, 54, 62, 66, 67, 72, 74, 77, 93, 94, 96, 99, 102, 108, 113, 116, 134, 136, 141, 142 Exercise: 5, 11, 12
(1.13) Underlying processes and mathematical tools. The student uses logical reasoning.		
The student is expected to justify his or her thinking using objects, words, pictures, numbers, and technology.	30, 73, 115, 120	4, 13, 14, 17, 32, 38, 41, 54, 62, 66, 67, 72, 93, 94, 96, 99, 102, 108, 113, 116, 134, 136, 142 Exercise: 5, 11, 12

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