2023

Lesson List

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Unit	Lesson	*Lesson name*	Lesson description
		Introduction to the program	Introduce students to program characters and map locations. Practice basic interactive functionalities used in lessons.
Colors and location words	1	*Introduction to colors*	Students will learn to recognize color as a characteristic of an object, starting with four colors: red, green, yellow, and blue. They will also compare objects based on their color.
	2	*Grouping by color*	In this lesson, students will broaden their knowledge of colors by actively incorporating the colors orange and purple. They will practice grouping objects based on their color.
	3	*Location words: on, under, above, next to*	Determine an object's position relative to other objects, using the words: on, above, under, and next to. Reinforce knowledge of color names.
	4	*Location words: behind, in front of, between*	Determine an object's position relative to other objects, using the words: behind, in front of, and between. Reinforce knowledge of color names.
Similarity and difference	5	*Circles and polygons*	Identify shape as an attribute of objects. Learn about a variety of shapes, explore similarities and differences between geometric shapes, and gain a clear understanding of circles and polygons.
	6	*Grouping by color and shape*	Group objects by color and shape. Find differences between groups based on color and shape. Learn about color shades.
	7	*Location words: above, below, up, down*	Determine an object's position relative to other objects, using the words: above, below, up, and down.
Size and shape	8	*Size: big and small*	Identify size as an attribute of objects. Compare objects' sizes using the words: big, small, bigger, and smaller.
	9	*Comparing and ordering by size*	Compare objects' sizes. Order up to three objects from biggest to smallest and from smallest to biggest.
	10	*Triangles, rectangles, and squares*	Expand knowledge of polygons by identifying triangles, squares, and rectangles. Order shapes by size.
	11	*Location words: left and right*	Determine an object's position relative to other objects, using the words: left, and right.

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Height	12	*Height: tall and short*	Understand object height. Compare objects' heights using the words: tall, short, taller, shorter.
	13	*Comparing and ordering by height I*	Compare objects' height. Order up to four objects from tallest to shortest and from shortest to tallest.
	14	*Comparing and ordering by height II*	Continue comparing objects' heights and order up to four objects by height.
Length	15	*Length: long and short*	Identify length as an attribute of objects. Compare objects' lengths using the words: long, short, longer, and shorter.
	16	*Comparing and ordering by length I*	Compare objects' lengths. Order up to four objects from longest to shortest and from shortest to longest.
	17	*Comparing and ordering by length II*	Continue comparing objects' lengths and order up to four objects by length.
Width	18	*Width: wide and narrow*	Identify width as an attribute of objects. Compare objects' widths using the words: wide, narrow, wider, and narrower.
	19	*Comparing and ordering by width I*	Compare objects' widths. Order up to four objects from widest to narrowest and from narrowest to widest.
	20	*Comparing and ordering by width II*	Compare objects' widths and order up to four objects by length.
Time, sequences, and patterns	21	*Sequence of events: first and next*	Develop an understanding of the sequence of events, including the beginning of events and their outcomes or results.
	22	*Times of the day: morning, afternoon, evening, night*	Students learn about the different times of day: morning, afternoon, evening, and night. They will also learn activities commonly associated with these times and the cyclical nature of these times.
	23	*Sequence of events: first and last*	Students will practice ordering objects and events using the words: first, after, and last.
	24	*Patterns*	Students will identify the objects that come before or after a given object in a sequence. They will also recognize patterns in sequences of objects to continue the pattern. They will reinforce their knowledge of basic geometric shapes.

Unit	Lesson	*Lesson name*	Lesson description
One-many, equality	25	*Comparing groups: one and many*	Students learn to compare quantities using the words: one, more than one, and many.
	26	*Comparing groups: equality I*	Students use a matching strategy to compare two quantities of up to 5 objects, using the words: as many as and equal number.
	27	*Comparing groups: equality II*	Use matching strategy to compare two quantities of up to 5 objects. Reinforce the concepts of "as many as" and "equal number".
	28	*Dividing into equal groups*	Divide different quantities of objects into equal groups based on different attributes and quantities. Reinforce the concepts of "as many as" and "equal number".
	29	*Comparing groups: more and fewer I*	Compare quantities and create equal, greater, or fewer amounts of objects.
	30	*Comparing groups: more and fewer II*	Compare quantities and create equal, greater, or fewer amounts of objects.
Inequality	31	*Comparing groups: inequality I*	Students compare non-equal groups of objects using matching strategy and learn about the words: more, less, and not equal.
	32	*Comparing groups: inequality II*	Practice comparing non-equal groups of objects, reinforcing the concepts of "more", "less", and "not equal."
	33	*Comparing groups: inequality III*	Practice comparing non-equal groups of objects, reinforcing the concepts of "more", "less", and "not equal." Review sorting objects by their attributes such as size, shape, and color.
Making groups equal, I	34	*Making equal by increasing I*	Make two quantities equal by increasing one of them, adding objects to the lesser quantity until it matches the greater quantity.
	35	*Making equal by increasing II*	Practice making two quantities equal by adding objects to the lesser quantity until it matches the greater quantity. Review patterns and geometric shapes.
	36	*Making equal by increasing III*	Continue to practice making two quantities equal by increasing the lesser quantity.
Making groups equal, II	37	*Making equal by decreasing I*	Make two quantities equal by decreasing one of them, taking away objects from the greater quantity until it matches the lesser quantity.
	38	*Making equal by decreasing II*	Practice making two quantities equal by taking away objects from the greater quantity until it matches the lesser quantity. Review patterns and the sequencing of events.
	39	*Making equal by decreasing III*	Continue to practice making two quantities equal by decreasing the greater quantity. Review patterns and ordering objects by height.

Unit	Lesson	*Lesson name*	Lesson description
Adding using objects	40	*Adding with objects I*	Understand addition as increasing a quantity by adding objects to it or as putting together two quantities. Learn to denote addition with a plus sign.
	41	*Adding with objects II*	Practice addition with manipulatives.
	42	*Adding with objects III*	Continue practicing addition with manipulatives.
	43	*Adding with objects IV*	Continue practicing addition with manipulatives.
Subtracting using objects	44	*Subtracting with objects I*	Understand subtraction as decreasing a quantity by taking away objects from it. Learn to denote subtraction with a minus sign.
	45	*Subtracting with objects II*	Practice subtraction with manipulatives.
	46	*Subtracting with objects III*	Continue practicing subtraction with manipulatives.
	47	*Adding and subtracting with objects*	Practice addition and subtraction with manipulatives.
	48	*The numeral and number 1*	Students learn to compare quantities using the words: one and many. They also learn the digit that represents one.
	49	*First ordinal position*	Continue practicing the use of words: one and many. Practice the first ordinal position in various contexts.
	50	*Using the number 1*	Reinforce the concepts of "one" and "many."
Number 0	51	*The numeral and number 0*	Learn the concept of "none" and the digit that represents none or the number zero.
	52	*Using the numbers 0 and 1*	Practice using numbers and digits 0 and 1. Review addition and subtraction with manipulatives.
Number 2	53	*Counting to 2 and the numeral 2*	Learn counting to 2 and the digit 2. Understand that 2 is one more than 1.
	54	*The number 2 and pairs*	Practice counting and cardinality to 2. Identify pairs and divide groups of objects into pairs.
	55	*Composing and decomposing the number 2*	Compose and decompose the number 2 using addition and subtraction with manipulatives. Practice counting and cardinality to 2.
	56	*Ordinal counting up to 2*	Practice counting, cardinality, and number composition up to 2. Learn ordinal counting up to 2.
	57	*Review: grouping by attributes, counting up to 2, comparing groups*	Review grouping by attributes. Practice counting, cardinality, and number composition up to 2.

Unit	Lesson	*Lesson name*	Lesson description
Number 3	58	*Counting to 3 and the numeral 3*	Learn counting to 3 and the digit 3. Understand that 3 is one more than 2.
	59	*Ordinal counting up to 3*	Practice counting and cardinality up to 3. Learn ordinal counting up to 3. Use counting strategies to compare the number of objects in groups of up to 3 objects.
	60	*Triangles*	Learn about the attributes of a triangle, such as the number of sides and angles. Practice counting, cardinality, addition, and subtraction with objects up to 3.
	61	*Composing and decomposing the number 3*	Compose and decompose the number 3 using addition and subtraction with manipulatives. Practice counting and cardinality to 3.
Word problems	62	*Word problems: stories with a question*	Students learn to solve word problems presented as stories with questions and to match pictures to corresponding word problems.
	63	*Word problems within 3*	Practice solving word problems that involve adding to, or taking apart within 3 with an unknown result. Practice number composition within 3 and identifying patterns.
Number 4	64	*Counting to 4 and the numeral 4*	Learn counting to 4 and the digit 4. Understand that 4 is one more than 3.
	65	*Ordinal counting and comparing within 4*	Practice counting and cardinality up to 4. Learn ordinal counting up to 4. Compare two numbers within 4 represented by a concrete model.
	66	*Composing and decomposing the number 4, I*	Learn about the attributes of a rectangle, such as the number of sides and angles. Practice composing and decomposing the number 4 using addition and subtraction with manipulatives.
	67	*Composing and decomposing the number 4, II*	Learn about the attributes of a square, such as the number of sides and angles. Practice composing and decomposing the number 4 using addition and subtraction with manipulatives.
	68	*Comparing and grouping objects by size, color, and shape*	Compare and group objects by size, color, and shape.
Number 5	69	*Counting to 5 and the numeral 5*	Learn counting to 5 and the digit 5. Understand that 5 is one more than 4.
	70	*Ordinal counting and comparing within 5*	Practice counting and cardinality up to 5. Learn ordinal counting up to 5. Compare two numbers within 5 represented by a concrete model.
	71	*Composing and decomposing the number 5*	Compose and decompose the number 5 using addition and subtraction with manipulatives.

Unit	Lesson	*Lesson name*	Lesson description
Review: numbers 1-5	72	*Review: counting, composing, and decomposing within 5*	Practice counting, cardinality, and number composition up to 5.
	73	*Comparing within 5 and counting backwards*	Practice counting, cardinality, and comparing numbers up to 5 using concrete models. Learn to count backwards from 5.
	74	*Numbers to 5, word problems*	Practice counting, cardinality, and number composition up to 5. Solve "take from" and "put together" word problems.
	75	*Counting up to 5, word problems, and shapes*	Understand that results of counting are independent of object arrangement or counting order. Create and solve word problems involving addition and subtraction of up to 5 concrete objects. Extend or duplicate repeating patterns of geometric shapes.
Number 6	76	*Counting up to 6 and the numeral 6*	Learn counting to 6 and the digit 6. Understand that 6 is one more than 5.
	77	*Ordinal counting and comparing within 6*	Practice counting and cardinality up to 6. Learn ordinal counting up to 6. Compare two numbers within 6 represented by a concrete model.
	78	*Word problems within 6*	Practice counting, cardinality, ordinal numbers, and comparing numbers using concrete models, up to 6. Solve "take from" and "put together" word problems.
Number 7	79	*Counting up to 7 and the numeral 7*	Learn counting to 7 and the digit 7. Understand that 7 is one more than 6.
	80	*Ordinal counting and comparing within 7*	Practice counting, cardinality, and learn ordinal counting up to 7. Compare two numbers within 7 represented by a concrete model.
	81	*Word problems within 7*	Practice counting, cardinality, ordinal numbers, and comparing numbers using concrete models, up to 7. Solve "take from" and "put together" word problems.
Number 8	82	*Counting up to 8 and the numeral 8*	Learn counting to 8 and the digit 8. Understand that 8 is one more than 7.
	83	*Ordinal counting and comparing within 8*	Practice counting and cardinality up to 8. Learn ordinal counting up to 8. Compare two numbers within 7 represented by a concrete model.
	84	*Word problems within 8*	Practice counting, cardinality, ordinal numbers, and comparing numbers using concrete models, up to 8. Solve "take from" and "put together" word problems.

Unit	Lesson	*Lesson name*	Lesson description
Number 9	85	*Counting up to 9 and the numeral 9*	Learn counting to 9 and the digit 9. Understand that 9 is one more than 8.
	86	*Ordinal counting and comparing within 9*	Practice counting and cardinality up to 9. Learn ordinal counting up to 9. Compare two numbers within 9 represented by a concrete model.
	87	*Word problems within 9*	Practice counting, cardinality, ordinal numbers, and comparing numbers using concrete models, up to 9. Solve "take from" and "put together" word problems.
Number 10	88	*Counting up to 10 and the numeral 10*	Learn counting to 10 and the numeral 10. Understand that 10 is one more than 9.
	89	*Ordinal counting and comparing within 10*	Practice counting and cardinality up to 10. Learn ordinal counting up to 10. Compare two numbers within 10 represented by a concrete model.
	90	*Word problems within 10*	Practice counting, cardinality, ordinal numbers, and comparing numbers using concrete models, up to 10. Solve "take from" and "put together" word problems.
	91	*Counting up to 10, word problems, and shapes*	Understand that results of counting are independent of object arrangement or counting order. Create and solve word problems involving addition and subtraction of concrete objects within 5. Extend or duplicate repeating patterns of geometric shapes.
Volume, weight, and length	92	*Volume: comparing and ordering objects by volume*	Students learn to recognize and compare volume as how much space exists within an object. Also, they learn to order objects by volume.
	93	*Weight: comparing weights of objects*	Students learn to recognize and compare weights of objects.
	94	*Length: measuring length*	Compare objects' lengths. Describe the length of an object using another object.

Unit	Lesson	*Lesson name*	Lesson description
Review	95	*Review I*	Review spatial reasoning, measuring length, number composition, and word problems. Collect data and represent results graphically.
	96	*Review II*	Review counting, cardinality, number composition, quantity comparison, word problems, and ordering by size.
	97	*Review III*	Review sequencing, counting, and addition/subtraction using a concrete model.
	98	*Review IV*	Review addition/subtraction using a concrete model, word problems, and spatial reasoning.
	99	*Review V*	Review counting, cardinality, and word problems.
	100	*Review VI*	Review counting, cardinality, addition, and subtraction.
	101	*Review VII*	Review counting order, addition/subtraction using a concrete model, ordinals, and collecting/representing data.

Unit	Lesson	*Lesson name*	Lesson description
Color, size, and shape	1	***Comparing, matching, and grouping by various attributes I***	Explore similarities and differences between objects based on size, color, and shape. Compare and group objects by size, color, and shape.
	2	*Comparing, matching, and grouping by various attributes II*	Compare, match, and group objects using a combination of attributes, including color, size, shape, and position.
	3	*Comparing, matching, and grouping by various attributes III*	Continue comparing and grouping objects by size, color, shape, and position. Compose shapes to form a picture.
Size and weight	4	*Length and width, comparing and ordering objects by these attributes*	Identify length and width as attributes of a rectangular object. Compare and order objects by these attributes.
	5	*Volume, comparing and ordering objects by volume*	Students learn to recognize and compare volume as how much space exists within an object. Also, they learn to order objects by volume.
	6	*Weight*	Students learn to recognize and compare weights of objects.
Comparing groups	7	*As many as, more, and less*	Students use a matching strategy to compare two quantities of up to 5 objects, using the words: as many as, equal number, more, and fewer.
	8	*Equality and inequality, equal and not equal signs*	Students compare quantities, reinforcing the concepts of "as many as", "equal number", and "not equal." Students use the equal sign and the not equal sign to show the result of the comparison. Students also sort objects by their attributes such as size, shape, color, and position.
	9	*Greater than and less than, > and < signs*	Students compare two quantities and show the result using greater than, less than, or equal signs.
	10	*Review: comparing groups*	Practice comparing groups of objects using greater than, less than, or equal signs to show the result of the comparison.

Unit	Lesson	*Lesson name*	Lesson description
Numbers to 5, composing an decompsing numbers within 5	11	*Numbers to 5, adding 1 to make the next number*	Practice counting, cardinality, and ordinal counting up to 5. Understand that you can generate the next number in the number sequence by adding 1.
	12	*Numbers to 5, adding and subtracting sets of objects*	Practice counting, cardinality, and comparing numbers up to 5. Practice addition and subtraction within 5 using concrete models.
	13	*Composing and decomposing the number 2*	Compose and decompose the number 2 using addition and subtraction with manipulatives. Record decompositions using number bonds and equations.
	14	*Composing and decomposing numbers within 3*	Compose and decompose numbers up to 3 using addition and subtraction with manipulatives. Record decompositions using number bonds, number houses, and equations.
	15	*Composing and decomposing numbers within 4*	Compose and decompose numbers up to 4 using addition and subtraction with manipulatives. Record decompositions using number bonds, number houses, and equations.
	16	*Composing and decomposing numbers within 5*	Compose and decompose numbers up to 5 using addition and subtraction with manipulatives. Record decompositions using number bonds, number houses, and equations.
Adding and subtracting within 5	17	*Adding and subtracting within 5, I*	Represent addition and subtraction with objects, expressions, or equations. Practice addition and subtraction within 5, supported by concrete or representational models. Reinforce number composition up to 5.
	18	*Adding and subtracting within 5, II*	Continue practicing number composition up to 5, along with addition and subtraction within 5, supported by concrete or representational models. Represent addition and subtraction with objects, expressions, or equations.
	19	*Understanding part-part-whole I*	Understand the part-part-whole concept in the context of addition. Continue practicing number composition up to 5, addition and subtraction within 5, using concrete or representational models.
	20	*Understanding part-part-whole II*	Understand the part-part-whole concept in the context of subtraction. Practice using the part-part-whole concept in addition and subtraction problems.
	21	*Understanding part-part-whole III*	Reinforce the part-part-whole concept in addition and subtraction problems.
	22	*Commutative property of addition*	Learn the commutative property of addition using the part-part-whole concept. Solve a "put together" word problem.

Unit	Lesson	*Lesson name*	Lesson description
Numbers 6-9	23	*Numbers and counting to 10*	Practice counting, the number sequence, and ordinal counting up to 10.
	24	*Comparing numbers within 10 using a ruler*	Learn to compare numbers within 10 using a ruler as a number line.
	25	*Comparing numbers within 10*	Reinforce counting, cardinality, and the number sequence up to 10.
	26	*Adding and subtracting within 10 using a ruler I*	Learn to add and subtract within 10 using a ruler as a number line.
	27	*Adding and subtracting within 10 using a ruler II*	Practice addition and subtraction within 10 using a ruler.
	28	*Number 6*	Understand that results of counting are independent of object arrangement or counting order. Compare two numbers within 6. Practice addition and subtraction within 6, supported by concrete models. Represent addition and subtraction with concrete models and equations. Solve a "put together" word problem.
	29	*Composing and decomposing the number 6*	Compose and decompose the number 6 using a representational model. Build the number house for the number 6. Connect the number composition of 6 to addition and subtraction, using 6 as the whole.
	30	*Number 7*	Understand that results of counting are independent of object arrangement or counting order. Compare two numbers within 7. Practice addition and subtraction within 7, supported by concrete models. Represent addition and subtraction with concrete models and equations. Solve a "take from" word problem.
	31	*Composing and decomposing the number 7*	Compose and decompose the number 7 using a representational model. Build the number house for the number 7. Connect the number composition of 7 to addition and subtraction, using 7 as the whole.
	32	*Number 8*	Understand that results of counting are independent of object arrangement or counting order. Compare two numbers within 8. Practice addition and subtraction within 8, supported by concrete models. Represent addition and subtraction with concrete models and equations. Solve a "put together" word problem.
	33	*Composing and decomposing the number 8*	Compose and decompose the number 8 using a representational model. Build the number house for the number 8. Connect the number composition of 8 to addition and subtraction, using 8 as the whole.
	34	*Number 9*	Understand that results of counting are independent of object arrangement or counting order. Compare two numbers within 9. Practice addition and subtraction within 9, supported by concrete models. Represent addition and subtraction with concrete models and equations. Solve "take from" and "put together" word problems.

Unit	Lesson	*Lesson name*	Lesson description
Numbers 6-9	35	*Composing and decomposing the number 9*	Compose and decompose the number 9 using a representational model. Build the number house for the number 9. Connect the number composition of 9 to addition and subtraction, using 9 as the whole.
	36	*Adding and subtracting within 9*	Practice counting up to 9. Practice addition and subtraction within 9, supported by concrete models.
Number 10	37	*Working with numbers within 10*	Practice making 10, supported by concrete or representational models. Practice addition and subtraction within 10 using number houses. Solve a "take from" word problem.
	38	*Two-digit numbers and expanded form*	Use the number 10 to begin learning about tens place, ones place, and two-digit numbers.
	39	*Composing and decomposing the number 10*	Compose and decompose the number 10 using a representational model. Build the number house for the number 10. Connect the number composition of 10 to addition and subtraction, using 10 as the whole. Solve a "take apart" word problem.
	40	*Adding and subtracting within 10 using a ruler III*	Practice adding and subtracting numbers within 10 using a ruler. Solve a "put together" word problem.
	41	*Properties of 0*	Review the number zero. Learn that when we subtract a number from itself, we get zero. Learn that adding or subtracting zero doesn't change a number. Practice number composition within 10.
Adding and subtracting Within 10	42	*Adding and subtracting within 10*	Reinforce the number sequence up to 10. Solve "put together" and "take from" word problems within 10. Review grouping objects by attribute.
	43	*Understanding part-part-whole IV*	Review grouping objects by attributes, counting, comparing numbers, number composition, part-part-whole concept.
	44	*Adding and subtracting within 10, word problems*	Review counting, cardinality, and operations within 10. Solve "put together" and "take apart" word problems within 10.

Unit	Lesson	*Lesson name*	Lesson description
Groups with fewer or more objects, the difference	45	*Identifying the group with more or fewer objects and the difference*	Identify the group with more or fewer objects and the difference of the quantities.
	46	*Finding the difference*	Compare two quantities and represent the result of the comparison as an inequality. Cross out pairs to show the difference between two quantities. Practice representing "add to" and "take from" situations with equations. Solve a comparison word problem.
	47	*Finding the group with more objects*	Find the group with more objects, find how many more objects the group has using a concrete model, and represent the answer with an equation. Solve comparison word problems.
	48	*Finding the group with more objects and the difference*	Practice finding the group with more objects and the difference of the quantities. Solve comparison word problems. Practice number composition within 10.
	49	*Finding the group with fewer objects*	Find the group with fewer objects, find how many fewer objects the group has using a concrete model, and represent the answer with an equation. Solve comparison word problems. Practice number composition within 10.
	50	*Comparison word problems*	Practice solving comparison word problems. Practice operations with 0.
Adding and/or subtracting twice	51	*Adding and/or subtracting twice I*	Introduction to adding or subtracting twice using concrete and representational models. Students practice adding and subtracting twice using a ruler as a number line.
	52	*Adding and/or subtracting twice II*	Practice adding and subtracting twice. Review number composition within 10. Solve a comparison word problem.
	53	*Review: part-part-whole, groups with more or fewer objects and the difference*	Review: part-part-whole, comparison and "put together" word problems

Unit	Lesson	*Lesson name*	Lesson description
Numbers 11-19	54	*Counting, ordering, and expanded form of numbers within 13*	Students learn about numbers 11 to 13, including counting, ordering, place value decomposition, and expanded forms of these numbers.
	55	*Counting, ordering, and expanded form of numbers within 19, I*	Students learn about numbers 11 to 19, including counting, ordering, place value decomposition, and expanded forms of these numbers.
	56	*Counting and comparing sets of up to 19 objects*	Practice counting and comparing sets of up to 19 objects. Understand that results of counting are independent of object arrangement or counting order.
	57	*Counting, generating sets that have one more or less than a given number up to 19*	Practice counting, generating sets that have one more or less than a given number up to 19
	58	*Comparing numbers within 13*	Compare numbers within 13. Review number composition within 10. Solve a comparison word problem.
	59	*Comparing numbers within 13, finding the previous and the next numbers*	Practice comparing numbers within 13, finding the previous and the next numbers, and solving a comparison word problem.
	60	*Numbers to 13, expanded form I*	Practice expanded form of numbers 11 to 13. Solve a comparison word problem.
	61	*Numbers to 13, expanded form II*	Practice expanded form of numbers 11 to 13. Solve a comparison word problem. Review ordinal numbers and number composition within 10.
	62	*Counting, ordering, and expanded form of numbers within 19, II*	Practice with numbers 11 to 19, including counting, ordering, comparing, place value decomposition, and expanded forms of these numbers. Solve a comparison word problem.
	63	*Review: numbers to 19, I*	Review counting, ordering, place value decomposition, expanded form, up to 19. Solve a comparison word problem. Collect data and represent results graphically.
	64	*Review: numbers to 19, II*	Review counting, ordering, comparing, and expanded form up to 19. Solve a comparison word problem.
	65	*Review: numbers to 19, III*	Review addition and subtraction within 10. Solve "take apart", "put together", and comparison word problems.

Unit	Lesson	*Lesson name*	Lesson description
Number 20	66	*Number 20*	Students learn about the number 20 and the numeral 20 that represents it. They will understand that 20 is one more than 19 and is composed of 2 tens or 20 ones. Solve a comparison word problem.
	67	*Ordinals, adding, and subtracting within 20*	Practice counting, ordinals, adding, and subtracting within 20. Solve a "put together" word problem.
	68	*Comparing numbers and finding the difference*	Practice number sequence, comparing numbers and finding the difference up to 20. Solve a "take apart" word problem.
	69	*Counting, comparing, and ordering numbers within 20*	Practice counting, comparing, and ordering numbers within 20. Solve a comparison word problem.
	70	*Part-part-whole, groups with more or fewer objects and the difference*	Practice part-part-whole, groups with more or fewer objects and the difference. Solve "take from" and comparison word problems. Practice adding twice.
Review: shapes, numbers to 20	71	*Review: numbers to 20*	Review ordering, comparing, and place value composition. Solve a comparison word problem.
	72	*Review: numbers to 20, 2D shapes I*	Review counting, ordering, place value composition, groups with more or fewer objects and the difference, and 2D shapes. Solve a comparison word problem.
	73	*Review: numbers to 20, 2D shapes II*	Review comparing, adding, and subtracting within 20. Review 2D shapes. Solve a "put together" word problem. Collect data and represent results graphically. Compose simple shapes to form larger shapes.
2D shapes	74	*Polygons*	Students learn about open and closed shapes. Practice identifying polygons using their names. Build polygons from components. Compose polygons from other polygons. Review addition and subtraction within 10.
	75	*2D shapes*	Students practice identifying shapes, drawing 2D shapes, modeling shapes in the world, and analyzing and comparing shapes using their attributes such as number of sides/vertices/angles. Students collect data and represent results graphically.

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2D and 3D shapes	76	*Circles and spheres*	Students begin to identify shapes as two-dimensional (“flat”) or three-dimensional (“solid”). Learn about spheres and contrast them with circles. Review addition and subtraction within 10, part-part-whole. Solve a comparison word problem.
	77	*Squares and cubes I*	Learn to identify cubes, and contrast them with squares. Review numbers up to 20, addition and subtraction within 10, sorting shapes by attributes. Solve a "take apart" word problem.
	78	*Squares and cubes II*	Practice distinguishing between 2D and 3D shapes, identifying cubes and spheres. Review numbers up to 20, addition and subtraction within 10, and composing shapes.
	79	*Triangles, circles, and cones*	Learn to identify cones. Build 3D shapes from other 3D shapes. Review numbers up to 20 and addition and subtraction within 10. Solve a comparison word problem.
	80	*Circles, rectangles, and cylinders*	Learn to identify cylinders. Practice identifying cones, cubes, and spheres. Practice distinguishing between 2D and 3D shapes. Review addition and subtraction within 10. Solve a comparison word problem.
	81	*2D and 3D shapes*	Continue practicing with 2D and 3D shapes. Name and sort shapes, compose shapes, identify shape attributes, and identify two-dimensional components of three-dimensional objects.
Review: numbers to 20, 2D and 3D shapes	82	*Review: numbers to 20, 2D and 3D shapes I*	Review addition and subtraction within 10, comparison up to 20, and 2D and 3D shapes.
	83	*Review: numbers to 20, 2D and 3D shapes II*	Review counting, comparison up to 20, 2D and 3D shapes, part-part-whole, and addition and subtraction within 10.
	84	*Review: numbers to 20, 2D and 3D shapes III*	Review counting, ordering, place value decomposition, and shape attributes.
Review: numbers to 20, II	85	*Review: numbers to 20, word problems, 3D shapes I*	Review numbers to 20, word problems, and 3D shapes.
	86	*Review: numbers to 20, word problems, 3D shapes II*	Continue reviewing numbers to 20, word problems, and 3D shapes.
	87	*Review: numbers to 20, word problems, 3D shapes III*	Continue reviewing numbers to 20, word problems, and 3D shapes.

Unit	Lesson	*Lesson name*	Lesson description
Round numbers	88	*Round numbers to 100*	Learn about round numbers to 100 and their place value decomposition. Solve a "take apart" word problem.
	89	*Identifying and comparing round numbers*	Practice place value decomposition of round numbers. Identify and compare round numbers. Review addition and subtraction within 10. Review 3D shapes.
	90	*Counting by tens*	Learn to count by tens. Practice place value decomposition and comparison of round numbers. Review addition and subtraction within 10. Solve a comparison word problem.
Numbers 20-99	91	*Two-digit numbers above 20, I*	Students are introduced to two-digit numbers above 20 and their place value decomposition. Students practice to read two-digit numbers and represent a number of objects with a written numeral. Solve a "put together" word problem. Review grouping by attributes and addition within 10.
	92	*Two-digit numbers above 20, II*	Identify and order two-digit numbers above 20. Solve a comparison word problem. Review addition and subtraction within 10.
	93	*Two-digit numbers above 20, III*	Practice number sequence and identifying two-digit numbers above 20. Solve a "take from" word problem. Review addition and subtraction within 10.
Measurement	94	*Measurement I*	Compare objects' lengths. Use different objects as units of measurement to measure length, distance, and height. Review addition within 10.
	95	*Measurement II*	Compare objects' lengths. Practice measuring the length of an object using another object. Compare objects with several measurable attributes. Solve a comparison word problem. Review addition and subtraction within 10.
	96	*Money*	Learn U.S. coins. Identify ways to earn income and differentiate between income and gifts. Learn to distinguish between wants and needs. Learn about skills required for some jobs. As students learn personal financial literacy, they also practice counting, solving word problems, making sets that have one more or fewer, comparison, classifying objects into given categories, and sorting the categories by count.

Unit	Lesson	*Lesson name*	Lesson description
Comparing and grouping objects, composing and decomposing numbers	1	***Comparing and grouping objects***	Compare, match, and group objects according to a combination of attributes, including color, size, shape, and position. Review number sequence up to 20.
	2	*Comparing, ordering, and number composition within 5*	Review comparing and ordering numbers up to 20. Practice number composition within 5.
	3	*2D shapes, counting, and number composition within 5*	Continue reviewing counting, number sequence, and ordinals up to 20. Keep practicing number composition within 5. Review 2D shapes.

Unit	Lesson	*Lesson name*	Lesson description
Adding and subtracting within 10	4	*Adding and subtracting 1 within 10*	Practice adding and subtracting 1 within 10 with the support of a ruler as a number line.
	5	*Adding and subtracting 2 within 10*	Practice adding and subtracting 2 within 10 with the support of a ruler as a number line. Students learn to decompose 2 as 1 and 1 in order to add/subtract 2.
	6	*Adding and subtracting 3 within 10*	Practice adding and subtracting 3 within 10 with the support of a ruler as a number line. Students learn to decompose 3 in order to add/ subtract 3.
	7	*Adding and subtracting 4 within 10*	Practice adding and subtracting 4 within 10 with the support of a ruler as a number line. Students learn to decompose 4 in order to add/ subtract 4.
	8	*Adding 5, 6, 7, and 8 within 10, commutative property of addition*	Students review the commutative property of addition. Students apply the commutative property to add 5, 6, 7, and 8 within 10 by switching the addends around, adding the lesser addend to the greater addend. Students decompose the lesser addend and use the ruler to support the addition.
	9	*Subtracting 5, 6, 7, and 8 with the difference within 5*	Students review fact families of addition and subtraction equations. They learn to find the difference when subtracting 5, 6, 7, or 8 by finding the number you need to add to the known part (the subtrahend) to get the whole (the minuend). Solve word problems involving situations of taking from with unknown in different positions.
	10	*Relating counting to addition*	Students learn the counting on strategy to add within 20.
	11	*Relating counting to subtraction*	Students learn the counting back strategy to subtract within 20.
	12	*Adding, subtracting, and number composition within 10*	Review the number sequence up to 20. Practice adding, subtracting, and number composition within 10.
	13	*Adding and subtracting within 10, I*	Continue practicing addition, subtraction, and number composition within 10. Solve "put together" and "take from" word problems.
	14	*Adding and subtracting within 10, II*	Continue practicing addition, subtraction, and number composition within 10. Solve "add to", "take from", and "put together" word problems.

Unit	Lesson	*Lesson name*	Lesson description
Adding and subtracting within 10, properties of addition and subtraction	15	*Addends and sums*	Students learn to identify the sum and the addends in addition equations. Practice addition, subtraction, and number composition within 10. Solve a "put together" word problem.
	16	*Adding and subtracting within 10, III*	Practice using the words "addend" and "sum" when solving addition equations. Solve "put together" and "take from" word problems.
	17	*Adding and subtracting within 10, IV*	Practice adding and subtracting within 10. Continue using the words "addend" and "sum" when solving addition equations. Solve "put together" and "take from" word problems.
	18	*Commutative property of addition*	Reinforce understanding of the commutative property of addition. Practice solving addition and subtraction equations within 10. Solve a "take from" word problem.
	19	*Groups with more or fewer objects, the difference*	Compare groups to find which one has more or fewer objects and the difference. Represent the difference with an equation. Solve comparison word problems.
	20	*Minuend, subtrahend, difference*	Learn to identify the minuend, subtrahend, and difference in a subtraction equation. Solve comparison word problems.
Measurement I	21	*Measurement I*	Compare objects' lengths. Use different objects as units of measurement to measure length, distance, and height.
	22	*Measurement II*	Compare and order objects by length. Practice measuring length and distance using same-size units of length. Use objects such as yarn or rope to measure the length of objects. Organize, represent, and interpret data.

Unit	Lesson	*Lesson name*	Lesson description
Numbers to 20, adding and subtracting within 20	23	*Expanded form of numbers within 20, I*	Learn the place value decomposition and expanded form of numbers 11-20. Use a place value table and base ten models for support.
	24	*Expanded form of numbers within 20, solving equations*	Practice place value decomposition and expanded form of numbers within 20. Practice solving addition and subtraction equations.
	25	*Numbers to 20*	Build a number line from 0 to 20. Use the number line to order numbers. Solve addition and subtraction problems. Practice identifying U.S. coins by value. Calculate the value of a small collection of coins. Organize, represent, and interpret data.
	26	*Adding and subtracting within 20, I*	Practice adding and subtracting within 20 using expanded form. Solve comparison word problems.
	27	*Properties of 0*	Learn that when we subtract a number from itself we get zero. Learn that adding or subtracting zero doesn't change a number. Solve a comparison word problem.
	28	*Expanded form of numbers within 20, II*	Practice place value decomposition and expanded form of numbers within 20. Solve a comparison word problem.
	29	*Adding and subtracting without regrouping within 19, I*	Learn to add and subtract without regrouping within 19 using place value decomposition.
	30	*Adding and subtracting without regrouping within 19, II*	Practice adding and subtracting without regrouping within 19 using place value decomposition.
	31	*Adding and subtracting without regrouping within 19, word problems*	Practice adding and subtracting without regrouping within 19 using place value decomposition. Practice solving word problems.
	32	*Adding to get 20*	Students learn various ways to compose 20 with the support of a concrete model. Review composing 2D shapes, solve a comparison word problem.
	33	*Subtracting a one-digit number from 20*	Students learn how to subtract one-digit numbers from 20 using a concrete model. Review subtraction from 10, number composition of 10. Solve a comparison word problem.
	34	*Additing and subtracting within 20*	Practice adding and subtracting within 20 without regrouping. Learn how to calculate expressions with adding and/or subtracting twice. Solve a comparison word problem.

Unit	Lesson	*Lesson name*	Lesson description
Expressions with adding and/or subtracting twice	35	*Expressions with adding and/or subtracting twice*	Practice adding or subtracting twice. Practice previously learned types of addition and subtraction problems. Solve an "add to" word problem.
	36	*Commutative property, expressions with adding and/or subtracting twice*	Use the commutative property to calculate expressions with three addends by adding addends that make 10 first. Review place value decomposition and expanded form of numbers up to 20. Practice calculating expressions with subtracting twice. Solve a comparison word problem.
	37	*Review: expressions with adding and/or subtracting twice I*	Practice previously learned types of addition and subtraction problems, including problems that involve adding and/or subtracting twice. Solve a "take from" word problem.
Adding within 20 by making 10, I	38	*Adding by making 10*	Students learn the making 10 strategy to add two one-digit numbers, the calculations are supported by a concrete model. Practice finding the unknown whole number in an addition or subtraction equation. Solve a comparison world problem.
	39	*Adding 2 or 3 to a number by making 10*	Practice adding 2 or 3 to a one-digit number by making 10. Review previously learned types of addition and subtraction within 20. Solve a comparison world problem.
	40	*Adding 4 to a number by making 10*	Practice adding 4 to a one-digit number by making 10. Review previously learned types of addition and subtraction within 20. Solve a comparison world problem.
Adding within 20 by making 10, II	41	*Adding 5 to a number by making 10*	Practice adding 5 to a one-digit number by making 10. Solve "add to" world problems.
	42	*Adding 6 to a number by making 10*	Practice adding 6 to a one-digit number by making 10. Solve an "add to" world problem. Students begin to learn how to represent a word problem with a segment model.
	43	*Adding 7 to a number by making 10*	Practice adding 7 to a one-digit number by making 10. Solve "put together" and "take apart" world problems.
	44	*Adding 8 or 9 to a number by making 10*	Practice adding 8 or 9 to a one-digit number by making 10. Solve a comparison word problem.
	45	*Review: adding by making 10*	Review adding two one-digit numbers by making 10. Solve a "take apart" word problem.

Unit	Lesson	*Lesson name*	Lesson description
Subtracting within 20 by making 10, I	46	*Subtracting by making 10*	Students learn how to decompose a number when subtracting a one-digit number from numbers between 11 and 18 to get an intermediate ten. The calculations are supported by a concrete model.
	47	*Subtracting from 11 by making 10*	Practice subtracting a one-digit number from 11 by making 10.
	48	*Subtracting from 12 by making 10*	Practice subtracting a one-digit number from 12 by making 10. Solve a comparison word problem.
	49	*Subtracting from 13 by making 10*	Practice subtracting a one-digit number from 13 by making 10. Solve a "take from" word problem.
	50	*Subtracting from 14 by making 10*	Practice subtracting a one-digit number from 14 by making 10. Solve a comparison word problem.
Subtracting within 20 by making 10, II	51	*Subtracting from 15 by making 10*	Practice subtracting a one-digit number from 15 by making 10. Review previously learned types of addition and subtraction within 20. Solve a "put together" word problem.
	52	*Subtracting from 16 by making 10*	Practice subtracting a one-digit number from 16 by making 10. Solve a "put together" word problem.
	53	*Subtracting from 17 or 18 by making 10*	Practice subtracting a one-digit number from 17 or 18 by making 10. Review previously learned types of addition and subtraction within 20. Solve a comparison word problem.
	54	*Review: subtracting by making 10*	Review subtracting from numbers between 11 and 18 by making 10. Solve a comparison word problem.
Two-step word problems I	55	*Review: adding and subtracting within 20*	Review all types of adding and subtracting within 20. Solve "put together"/"take from" word problems.
	56	*Review: expressions with adding and/or subtracting twice II*	Practice all types of adding and subtracting within 20, including expressions with adding and/or subtracting twice.
	57	*Two-step word problems within 20, I*	Students continue to practice adding and subtracting within 20 and solving word problems.
	58	*Two-step word problems within 20, II*	As students continue to practice adding and subtracting within 20, they are introduced to two-step word problems through situations with two one-step questions. Review composing 2D shapes.

Unit	Lesson	*Lesson name*	Lesson description
Adding and subtracting round numbers	59	*Round numbers to 100, I*	Learn about round numbers up to 100 and their place value decomposition using a concrete place value model for support. Identify and compare round numbers.
	60	*Round numbers to 100, II*	Learn to count by tens. Practice place value decomposition and comparison of round numbers. Review addition and subtraction within 20. Solve a word problem with two questions.
	61	*Adding round numbers*	Learn how to add round numbers by utilizing their place value decomposition, supported by a concrete place value model. Solve a word problem with two questions.
	62	*Subtracting round numbers*	Learn how to subtract round numbers by utilizing their place value decomposition, supported by a concrete place value model. Solve a two-step word problem.
	63	*Adding and subtracting round numbers I*	Practice adding and subtracting round numbers. Review addition and subtraction within 20. Solve a word problem with two questions.
	64	*Adding and subtracting round numbers II*	Continue practicing addition and subtraction with round numbers. Compare round numbers. Review addition and subtraction within 20. Solve a word problem with two questions.
Two-step word problems II	65	*Two-step word problems, I*	Solve word problems. Review addition and subtraction within 20.
	66	*Two-step word problems, II*	Solve word problems. Review addition and subtraction within 20.
	67	*Two-step word problems, III*	Solve word problems. Review addition and subtraction within 20 and addition and subtraction of round numbers.

Unit	Lesson	*Lesson name*	Lesson description
Numbers 21-99	68	*Numbers 21-99*	Students are introduced to non-round two-digit numbers above 20, their place value decomposition and expanded form. Review addition and subtraction within 20.
	69	*Comparing, ordering, and expanded form of numbers within 99, I*	Practice the number sequence within 99. Model two-digit numbers in more than one way using base ten blocks, stick models, or words ("tens" and "ones"). Practice making a number that is one more or less. Find a value of a collection of dimes and pennies.
	70	*Comparing, ordering, and expanded form of numbers within 99, II*	Practice comparing, ordering, and the expanded form of numbers within 99 based on the meanings of the tens and ones digits.
	71	*Comparing, ordering, and expanded form of numbers within 99, III*	Continue practicing comparison, ordering, and expanded form of numbers within 99. Review addition and subtraction within 20. Solve a two-step word problem.
	72	*Adding using expanded form*	Use place value models to add a round number and a one-digit number. Review addition and subtraction within 20. Solve a two-step word problem.
	73	*Subtracting using expanded form*	Use place value models to subtract all tens or all ones from a two-digit number. Review addition and subtraction within 20. Solve a two-step word problem.
	74	*Adding and subtracting using expanded form*	Practice adding and subtracting using expanded form. Review addition and subtraction within 20. Solve a two-step word problem.
Adding a two-digit number and a one-digit number	75	*Review: adding and subtracting using expanded form*	Continue practicing addition and subtraction within 100 using expanded form. Solve a two-step word problem.
	76	*Adding a two-digit number and a one-digit number I*	Learn how to add a two-digit number and a one-digit number using a stick model and a strategy based on place value. Solve a comparison word problem.
	77	*Adding a two-digit number and a one-digit number II*	Review previously learned types of addition and subtraction within 100. Solve a two-step word problem.

Unit	Lesson	*Lesson name*	Lesson description
Subtracting a one-digit number from a two-digit number	78	*Subtracting a one-digit number from a two-digit number I*	Learn how to subtract a one-digit number from a two-digit number using a stick model and a strategy based on place value. Solve an "add to" word problem.
	79	*Subtracting a one-digit number from a two-digit number II*	Practice subtracting a one-digit number from a two-digit number. Solve a two-step word problem.
	80	*Adding and subtracting a two-digit number and a one-digit number*	Practice adding and subtracting a two-digit number and a one-digit number. Solve a two-step word problem.
	81	*Review: adding and subtracting a two-digit number and a one-digit number*	Review adding and subtracting a two-digit number and a one-digit number and comparing two-digit numbers. Solve a two-step word problem.
Number 100, adding and subtracting within 100	82	*The number 100*	Use a place value table to make the number 100 as 10 more than 90. Learn about hundreds place. Compose 100 from multiples of 10. Compare 100 with one-digit or two-digit numbers.
	83	*Adding and subtracting within 100, I*	Review previously learned types of addition and subtraction within 100. Solve a two-step word problem.
	84	*Numbers to 100*	Use a number line to order numbers within 100. Review U.S. coins, calculate the value of a collection of dimes and pennies using counting by tens and ones. Use bar-type graph to represent and interpret data.
	85	*Finding 10 more and 10 less than a given number within 100*	Practice finding 10 more and 10 less than a given number within 100 using base ten blocks. Generate and solve "take from" word problems that match the given equation.
	86	*Adding and subtracting a two-digit number and a round number I*	Learn to add and subtract a two-digit number and a round number without regrouping using place value strategy.
	87	*Adding two-digit numbers without regrouping*	Learn to add two two-digit numbers without regrouping by adding tens to tens, and ones to ones.
	88	*The making ten strategy for addition*	Use base ten blocks and the making ten strategy to add a two-digit number and a one-digit number when the sum is a round number.
	89	*Adding a two-digit number and a one-digit number with regrouping*	Learn how to add a two-digit number and a one-digit number with regrouping using place value decomposition and base ten block models.
	90	*Adding and subtracting within 100, II*	Review previously learned types of addition and subtraction within 100. Solve a two-step word problem.

Unit	Lesson	*Lesson name*	Lesson description
Measurement II	91	*Measuring length with different units I*	Practice measuring length of an object and distance with units of length. Express the length as a whole number of length units. Solve a two-step word problem.
	92	*Measuring length with different units II*	Continue measuring length with units of length and expressing the length using a number and a unit. Review previously learned types of addition and subtraction within 100. Solve a comparison word problem.
	93	*Measuring length with different units III*	Measure the same object with different units of length and compare the results. Solve a comparison word problem.
	94	*Review: measurement I*	Measure the same object or distance with different units of length and compare the results. Review previously learned types of addition and subtraction within 100. Solve a two-step word problem.
2D Shapes, halves and quarters	95	*Halves and quarters I*	Learn about halves and quarters by dividing objects into two or four equal parts. Review previously learned types of addition and subtraction within 100. Solve a two-step word problem.
	96	*Review: measurement II*	Review measuring with units of length and previously learned types of addition and subtraction within 100. Solve a two-step word problem.
	97	*Triangles, quadrilaterals, and pentagons*	Practice identifying attributes of polygons such as being closed, being composed of line segments, and their numbers of vertices, angles, and sides. Practice previously learned types of addition and subtraction within 100. Solve an "add to" word problem.
	98	*Review: 2D shapes*	Students practice identifying 2D shapes, drawing shapes, and modeling objects in the world with shapes. Analyze and compare shapes using their attributes such as being closed, composed of line segments, and number of sides/vertices/angles. Students collect data and represent results graphically.
	99	*Halves and quarters II*	Practice identifying examples and non-examples of halves and fourths, dividing rectangles and circles into halves and quarters. Understand that dividing into more equal parts creates smaller parts. Practice identifying attributes of polygons including rhombuses and hexagons. Compose 2D shapes.
	100	*Attributes of 2D shapes*	Practice identifying and defining attributes of 2D shapes, sorting shapes based on attributes, composing shapes from other shapes, and drawing shapes. Practice counting by twos, fives, and tens.

Unit	Lesson	*Lesson name*	Lesson description
Review: adding, subtracting, measuring, and word problems within 100	101	*Review: adding and subtracting within 100, measurement, and word problems I*	Review adding and subtracting within 100, measurement, and word problems.
	102	*Review: adding and subtracting within 100, measurement, and word problems II*	Review adding and subtracting within 100, measurement, and word problems.
	103	*Review: adding and subtracting within 100, measurement, and word problems III*	Review adding and subtracting within 100, measurement, and word problems.
2D and 3D shapes	104	*2D and 3D shapes I*	Review spheres, cubes, cylinders, and cones. Learn to identify triangular and rectangular prisms. Solve a two-step word problem.
	105	*2D and 3D shapes II*	Practice identifying and sorting 3D shapes. Practice distinguishing between 2D and 3D shapes. Review adding and subtracting within 100. Solve a two-step word problem.
	106	*2D and 3D shapes III*	Practice identifying and classifying 3D shapes. Practice composing 2D shapes. Review adding and subtracting within 100. Solve a two-step word problem.
	107	*2D and 3D shapes IV*	Practice identifying and classifying 3D shapes. Practice composing 3D shapes. Review adding and subtracting within 100. Solve a two-step word problem.
	108	*2D and 3D shapes V*	Practice sorting 3D shapes. Recognize attributes of 3D shapes. Review the number sequence up to 100. Solve a two-step word problem.
	109	*Attributes of 3D Shapes*	Learn attributes of 3D shapes including number of vertices, edges, and faces and the 2D shape of faces. Practice sorting and identifying 3D shapes by attributes and composing 3D shapes from other 3D shapes.

Unit	Lesson	*Lesson name*	Lesson description
Time	110	*Telling time I*	Students learn to tell and set the time in hours and half-hours using analog and digital clocks. Review adding and subtracting within 100. Solve a comparison word problem.
	111	*Telling time II*	Practice telling and setting the time in hours and half-hours using analog and digital clocks. Review adding and subtracting within 100. Solve a "take from" word problem.
	112	*Telling time III*	Practice telling and setting the time in hours and half-hours using analog and digital clocks. Review comparison of numbers and addition and subtraction within 100. Solve a two-step word problem.
	113	*Review: telling time and 3D shapes*	Review telling time and 3D shapes. Solve a two-step word problem.
Finding an unknown part	114	*Finding an unknown part in an equation with addition*	Students use the rule "to find a part we subtract the other part from the whole" to find an unknown part in an equation with addition. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
	115	*Finding an unknown part in an equation with subtraction*	Students use the rules "to find a part we subtract the other part from the whole" and "to find the whole we add the parts" to solve an equation with subtraction. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
Solving equations I	116	*Expressions with a letter for an unknown*	Students are introduced to expressions for an addition or subtraction problem with a letter for an unknown. They practice substituting values for the unknown and then solving the problems. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
	117	*Equations with a letter for an unknown*	Identify equations with a letter for an unknown. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
	118	*Solving equations with an unknown addend I*	Learn how to solve addition equations with an unknown part and check the answer. Review adding and subtracting within 100.
	119	*Solving equations with an unknown addend II*	Students use the rule "to find a part we subtract the other part from the whole" to practice solving addition equations with an unknown part. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.

Unit	Lesson	*Lesson name*	Lesson description
Solving equations II	120	*Solving equations with an unknown minuend I*	Students use the rule "to find the whole we add the parts" to solve subtraction equations with an unknown whole and check the answer. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
	121	*Solving equations with an unknown minuend II*	Practice solving subtraction equations with an unknown whole and check the answer. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
	122	*Solving equations with an unknown subtrahend I*	Learn how to solve subtraction equations where the subtracted part is unknown. Practice previously learned skills such as adding and subtracting within 100 and solving word problems.
	123	*Solving equations with an unknown subtrahend II*	Practice solving subtraction equations where the subtracted part is unknown. Practice previously learned skills such as comparing numbers within 100 and solving word problems.
Skip counting	124	*Counting by twos, fives, and tens*	Practice counting by twos, fives, and tens. Solve a comparison word problem.
Review	125	*Review*	Review adding and subtracting within 100, counting by twos and tens, and solving equations.
Numbers 101-120	126	*Numbers 101-120, I*	Students learn numbers 101-120 and their place value decomposition with the support of place value tables and a stick models. Practice previously learned skills such as comparing numbers within 100 and solving word problems.
	127	*Numbers 101-120, II*	Practice number sequence 101-120. Learn to compare numbers 101-120 based on meanings of the hundreds, tens and ones digits. Practice previously learned skills such as adding and subtracting within 100 and solving equations with an unknown.
	128	*Numbers 101-120, III*	Practice number sequence and comparison of numbers 101-120. Review adding and subtracting within 100. Solve a comparison word problem.
	129	*Numbers to 120*	Students practice working with numbers up to 120 including counting, model representations, composing a number in more than one way, ordering numbers, and finding a number that is one or ten more or less.

Unit	Lesson	*Lesson name*	Lesson description
Graphs	130	*Graphs*	Organize, represent, and interpret data using picture graphs and bar graphs. Answer questions about data represented in a graph. Practice solving equations with an unknown.
Money	131	*Review: income and gifts, wants and needs*	Practice identifying U.S. coins. Identify ways to earn income and differentiate between income and gifts. Learn to distinguish between wants and needs. Learn about skills required for some jobs. As students learn personal financial literacy, they also practice counting, solving word problems, making one more or fewer, comparing numbers, classifying objects into given categories, and sorting the categories by count.
	132	*Money I*	Practice identifying U.S. coins by value. Practice counting by twos, fives, and tens to determine the total number of objects or to find the value of a collection of coins. Students will learn that income is the money you earn for doing a job or selling something and that one can use income to buy goods or services. Organize, represent, and interpret data using picture graphs, bar graphs.
	133	*Money II*	Learn about spending and saving money in real-world contexts. Practice using U.S. coins based on their value. Practice with concepts of income, needs, and wants in variety of real-world situations.

Unit	Lesson	*Lesson name*	Lesson description
Review	1	*Numbers to 100, I*	Review one-digit and two-digit numbers, including the number sequence, place value composition, and round numbers.
	2	*Numbers to 100, II*	Review the number sequence, counting by twos, tens, and fives, place value composition and decomposition, and comparing numbers up to 99. Practice addition and subtraction within 20 and addition and subtraction using expanded form up to 99.
	3	*Adding and subtracting within 100, I*	Review the number 100, place value composition and decomposition, and comparing numbers up to 100. Practice addition and subtraction within 20 and addition and subtraction using expanded form up to 100.
	4	*Adding and subtracting within 100, II*	Review addition and subtraction of round numbers within 100. Solve a comparison word problem.
	5	*Adding and subtracting within 100, III*	Review the part-part-whole concept in the context of solving addition and subtraction equations with an unknown. Practice previously learned types of addition and subtraction within 100. Solve a one-step word problem.
Adding and subtracting a two-digit number and a round number	6	*Adding and subtracting a two-digit number and a round number I*	Students learn how to add and subtract a two-digit number and a round number.
	7	*Adding and subtracting a two-digit number and a round number II*	Practice adding and subtracting a two-digit number and a round number. Practice solving problems with several addition and subtraction operations. Practice solving one-step word problems.
	8	*The commutative property of addition*	Develop the students' understanding of the commutative property of addition. Practice applying the commutative property in addition problems.
Adding two-digit numbers without regrouping	9	*Adding two-digit numbers without regrouping I*	Learn how to add two-digit numbers without regrouping by adding ones to ones and tens to tens and then combining the results.
	10	*Adding two-digit numbers without regrouping II*	Practice adding two-digit numbers without regrouping. Solving a two-step word problem with the help of a bar model.
	11	*Solving word problems I*	Use addition to solve one-step and two-step word problems with an unknown sum. Practice addition without regrouping within 100.

Unit	Lesson	*Lesson name*	Lesson description
Subtracting two-digit numbers without regrouping	12	*Subtracting two-digit numbers without regrouping I*	Learn how to subtract two-digit numbers without regrouping by subtracting ones from ones and tens from tens and then combining the results.
	13	*Subtracting two-digit numbers without regrouping II*	Practice subtracting two-digit numbers without regrouping. Practice making a given amount of money using U.S. coins.
	14	*Solving word problems II*	Use addition and subtraction to solve one-step and two-step word problems with an unknown result of a change. Practice subtraction without regrouping within 100.
	15	*Review: adding and subtracting without regrouping, word problems, bar graphs*	Review adding and subtracting without regrouping, word problems, and bar graphs.
	16	*Adding, subtracting, and comparing numbers using the number line*	Students learn to add, subtract, and compare numbers using the number line up to 100. Practice adding and subtracting without regrouping within 100.
Even and odd numbers	17	*Even and odd numbers*	Students learn about even and odd numbers and to determine if a number is odd or even by pairing objects in a group of that size.
Adding a two-digit number and a one-digit number with regrouping	18	*The making ten strategy for addition I*	Use base ten blocks and the making ten strategy to add a two-digit number and a one-digit number when the sum is a round number. Solve a two-step word problem.
	19	*The making ten strategy for addition II*	Practice the making ten strategy for addition. Review solving addition equations with an unknown, counting by twos and tens up to 100, and bar graphs.
	20	*Adding a two-digit number and a one-digit number with regrouping I*	Learn how to add a two-digit number and a one-digit number with regrouping using place value decomposition and base ten block models. Build fluency in addition and subtraction within 20. Review attributes of 2D shapes.
	21	*Adding a two-digit number and a one-digit number with regrouping II*	Practice adding a two-digit number and a one-digit number with regrouping using two strategies: either place value decomposition of the two-digit number or making ten. Build fluency in addition and subtraction within 20. Solve a two-step word problem.

Unit	Lesson	*Lesson name*	Lesson description
Subtracting a one-digit number from a two-digit number with regrouping	22	*Subtracting from a round number*	Learn how to subtract a one-digit number from a round number by regrouping one ten from the round number into 10 ones. Solve one-step word problems with an unknown result of a change.
	23	*Subtracting a one-digit number from a two-digit number with regrouping I*	Learn how to subtract a one-digit number from a two-digit number with regrouping by decomposing the two-digit number into a number with one ten and a round number. Solve a two-step word problem. Organize and interpret data using a pictograph.
	24	*Subtracting a one-digit number from a two-digit number with regrouping II*	Practice subtracting a one-digit number from a two-digit number with regrouping. Solve a two-step word problem. Organize and interpret data using a pictograph.
	25	*Adding and subtracting a one-digit and a two-digit number with regrouping I*	Use a place value model or the "number with one ten" strategy to practice adding and subtracting a one-digit and a two-digit number with regrouping. Solve a two-step word problem.
	26	*Adding and subtracting a one-digit and a two-digit number with regrouping II*	Continue adding and subtracting a one-digit and a two-digit number with regrouping. Solve a two-step word problem.
	27	*Adding and subtracting a one-digit and a two-digit number with regrouping III*	Reinforce ability to add and subtract a one-digit and a two-digit number with regrouping. Solve word problems, including problems involving U.S. coins.
Finding an unknown number in an equation	28	*Finding an unknown addend I*	Solve addition equations with an unknown addend. Practice adding and subtracting a one-digit and a two-digit number with regrouping.
	29	*Finding an unknown addend II*	Practice solving equations with an unknown addend. Solve one-step word problems with an unknown addend. Practice adding and subtracting within 100.
	30	*Finding an unknown number in a subtraction equation*	Students solve for an unknown number in a subtraction equation. Practice adding and subtracting within 100.
Adding two-digit numbers with regrouping	31	*Adding two-digit numbers with regrouping I*	Students learn how to add two-digit numbers with regrouping by adding ones to ones and tens to tens and then adding the results. Solve one-step addition word problems.
	32	*Adding two-digit numbers with regrouping II*	Practice adding two-digit numbers with regrouping. Solve a two-step word problem. Review attributes of 2D shapes.
	33	*Solving word problems III*	Use addition and subtraction to solve one-step word problems. Practice adding two-digit numbers with regrouping.
	34	*Review: word problems, adding up to 4 numbers*	Review one-step and two-step word problems, adding up to 4 numbers within 100. Review pictographs.

Unit	Lesson	*Lesson name*	Lesson description
Subtracting two-digit numbers with regrouping	35	*Subtracting two-digit numbers with regrouping I*	Students learn how to subtract two-digit numbers with regrouping by decomposing the minuend into a round number and a number with one ten and then subtracting ones from the number with one ten and tens from the round number. Use base ten blocks to support calculations.
	36	*Subtracting two-digit numbers with regrouping II*	Practice subtracting two-digit numbers with regrouping. Solve one-step and two-step word problems.
	37	*Solving word problems IV*	Practice solving one-step and two-step word problems. Continue practicing subtraction of two-digit numbers with regrouping.
Review	38	*Review: Expressions with two operations*	Practice evaluating expressions with two addition and/or subtraction operations within 100.
	39	*Introduction to parentheses*	Students are introduced to expressions with parentheses and order of operations in expression with parentheses.
	40	*Review: adding and subtracting within 100, I*	Develop fluency in adding and subtracting numbers within 20.
	41	*Review: adding and subtracting within 100, II*	Continue developing fluency in adding and subtracting numbers within 20.
	42	*Review: adding and subtracting within 100, III*	Continue developing fluency in adding and subtracting numbers within 100.
	43	*Review: adding and subtracting within 100, IV*	Continue developing fluency in adding and subtracting numbers within 100.
Expressions with multiple operations	44	*Expressions with parentheses I*	Practice evaluating expressions containing parentheses and two operations.
	45	*Expressions with parentheses II*	Continue to practice evaluating expressions with parentheses. Develop fluency in adding and subtracting numbers within 100. Practice determining the value of a collection of U.S. coins.
	46	*Review: adding and subtracting with regrouping, word problems, coins*	Develop fluency in adding and subtracting numbers within 100. Practice word problems and working with U.S. coins.
	47	*The associative property of addition*	Students learn the associative property of addition and use it to find the most efficient way to add numbers in addition expressions with up to 4 numbers. Develop fluency in adding and subtracting numbers within 100.

Unit	Lesson	*Lesson name*	Lesson description
Measurement I	48	*Centimeters and meters, measuring with rulers*	Measure and estimate the length of an object using units of measurement, including concrete models representing centimeters, 10 centimeters, and meters. Learn to use a ruler as a measurement tool. Solve word problems involving length.
	49	*Solving problems with lengths I*	Solve problems with lengths. Estimate length, measure with a ruler, practice word problems involving length, and organize measurement data into a line plot. Develop fluency in adding and subtracting numbers within 100.
	50	*Relationships between metric units*	Students practice with centimeters, decimeters (10 cm), and meters: estimating length, measuring with a ruler, solving addition and subtraction problems with length, and comparing lengths measured in different metric units.
	51	*Solving problems with lengths II*	Continue practicing with metric units: comparing lengths measured in different metric units, measuring with a ruler, and solving word problems with length. Develop fluency in adding and subtracting numbers within 100.
	52	*Measuring and estimating with measurement tools, a ruler as a number line*	Practice choosing an appropriate unit for a measurement. Measure and estimate length of objects using a ruler, a meter stick, a measuring tape, or a length unit. Use a ruler as a number line to add and subtract lengths. Solve word problems involving length.
Hundreds	53	*Introduction to hundreds*	With the support of a base ten block model, students learn about hundreds, counting by hundreds, and reading and representing hundreds with numerals. Practice making 1 dollar using coins.
	54	*Adding and subtracting hundreds*	Learn to add and subtract hundreds using their place value composition. Practice reading and representing hundreds with numerals and counting by hundreds.
	55	*Comparing hundreds*	Practice addition, subtraction, and comparison with hundreds based on the meaning of the hundreds digit. Students are introduced to three-digit numbers, their place value representation using base ten blocks, number names, and numerals.

Unit	Lesson	*Lesson name*	Lesson description
Numbers to 1000	56	*Three-digit numbers and place value I*	Continue learning place value composition of three-digit numbers. Develop understanding of place values using place value cards. Practice the number sequence and reading three-digit numbers.
	57	*Three-digit numbers and place value II*	Practice with three-digit numbers: reading, representing with numerals, place value composition, and the number sequence. Practice making and counting three-digit amounts using 100, 10, and 1 dollar bills.
	58	*Review: three-digit numbers, lengths, word problems*	Continue practicing with three-digit numbers: reading, composing, representing with numerals and number names, the number sequence, and counting by hundreds. Review measurement including the relationship between metric units and word problems involving length.
	59	*Counting within 1000*	Reinforce the counting sequence within 1000. Practice place value composition. Solve word problems with hundreds.
	60	*Comparing three-digit numbers I*	Students learn to compare three-digit numbers based on the place values of digits. Practice evaluating expressions with up to 3 operations within 100.
	61	*Comparing three-digit numbers II*	Practice comparing three-digit numbers and place value composition. Practice evaluating expressions within 100.
	62	*Review: numbers to 1000*	Within 1000, review the number sequence, place value composition, comparison, and locating numbers on a number line.
Adding and subtracting within 1000 using expanded form	63	*Adding using expanded form, e.g., 500+40, 500+5*	Students are introduced to expanded form of a three-digit number using various base ten models. Learn to add within 1000 using expanded form (e.g., 500+40, 500+5) with the support of base ten models. Practice counting by tens and comparing length measurements. Solve a one-step word problem.
	64	*Subtracting using expanded form, e.g., 540-40, 505-5*	Learn to subtract within 1000 in problems like 540-40 and 505-5 by relating subtraction to addition and using place value cards. Practice counting by tens. Solve word problems.
	65	*Adding and subtracting using expanded form I, e.g., 500+40+7, 547-40-7*	Practice adding and subtracting using expanded form (e.g., 500+40+7, 547-40-7).
	66	*Adding and subtracting using expanded form II*	Continue practicing addition and subtraction using expanded form in various contexts: matching numbers with their expanded form, place value models, evaluating expressions, word problems, and measurements.

Unit	Lesson	*Lesson name*	Lesson description
Adding and subtracting within 1000 without regrouping	67	*Adding and subtracting 10 and 100*	Students learn to add and subtract 10 and 100 using place value models and understand how the tens/hundreds digit changes in cases without regrouping. Practice counting by tens, hundreds.
	68	*Adding and subtracting three-digit numbers without regrouping I*	Students practice adding and subtracting three-digit numbers without regrouping in special cases: adding and subtracting a two-digit round number or reviewing previously learned cases (e.g., +/-1 or +/-100 using expanded form). Calculations are supported with a place value model.
	69	*Adding and subtracting three-digit numbers without regrouping II*	Students learn to add and subtract three-digit numbers without regrouping in the general case by adding or subtracting hundreds and hundreds, tens and tens, and ones and ones.
	70	*Adding and subtracting three-digit numbers without regrouping III*	Practice adding and subtracting three-digit numbers without regrouping. Solve word problems.
	71	*Adding using the standard algorithm without regrouping*	Students learn the standard algorithm for addition problems without regrouping within 1000. Practice evaluating expressions with up to 4 numbers. Solve word problems.
	72	*Subtracting using the standard algorithm without regrouping*	Students apply the standard algorithm for subtraction problems without regrouping within 1000.

Unit	Lesson	*Lesson name*	Lesson description
Adding and subtracting within 1000 with regrouping	73	*Adding and subtracting tens with regrouping I, e.g., 60+80, 160-80*	Students learn to add and subtract tens with regrouping in cases similar to 60+80 and 160-80 by breaking numbers into tens and using respective problems like 6+8 and 16-8 within 20. Use base ten block models for support.
	74	*Adding and subtracting tens with regrouping II, e.g., 540+60, 500-70*	Learn to add and subtract tens with regrouping in cases similar to 540+60 and 500-70 by making or regrouping a hundred. Use base ten block models and the relationship between addition and subtraction for support.
	75	*Adding and subtracting tens with regrouping III, e.g., 260+80, 360-80*	Learn to add and subtract tens with regrouping in cases similar to 260+80 and 360-80 by relating problems to their respective cases like 160+80 and 160-80 within 200. Solve word problems.
	76	*Adding within 1000 with regrouping*	Use place value model to add within 1000 with regrouping. Generate and solve problem situations for a given equation.
	77	*Subtracting within 1000 with regrouping*	Use place value model to subtract within 1000 with regrouping. Solve word problems involving length.
	78	*Adding using the standard algorithm*	Learn the standard algorithm for addition within 1000 with regrouping. At first, the steps for adding ones, tens and hundreds are written out to explain the algorithm. Cases are limited to to only require regrouping once. Practice solving word problems, making and interpreting bar graph.
	79	*Subtracting using the standard algorithm I*	Learn the standard algorithm for subtraction within 1000, only regrouping once. Practice solving word problems.
	80	*Subtracting using the standard algorithm II*	Practice using the standard algorithm to add and subtract within 1000, only regrouping once. Practice placing and naming three-digit numbers on a number line. Develop fluency for addition and subtraction of 10 and 100. Solve word problems. Build 2D shapes having given attributes.
	81	*Adding using the standard algorithm, regrouping both ones and tens*	Practice adding using the standard algorithm, regrouping both ones and tens.
	82	*Subtracting using the standard algorithm, regrouping both tens and hundreds*	Practice subtracting using the standard algorithm, regrouping both tens and hundreds.
Measurement II	83	*Measuring with feet and inches*	Students are introduced to inches, feet, and yards as units of measurement using concrete models. They learn to select a measuring tool and measure or estimate length in inches, feet, and yards. Students practice measuring to find how much longer one object is than another. Measure the length of an object twice, using different length units, and then compare the results. Solve a word problem involving length.

Unit	Lesson	*Lesson name*	Lesson description
Geometry	84	*Geometric shapes and their attributes*	Practice identifying various polygons based on their attributes, such a number of sides, angles, and vertices or having equal sides. Practice composing shapes from other shapes and drawing shapes to have specified attributes.
	85	*Partitioning rectangles into equal shares*	Students understand that squares are special type of rectangles. Composing rectangles from equal shares. Partition rectangles into equal shares including halves, fourths, and eighths. Understand how the size of the shares relates to their number.
	86	*Partitioning circles and rectangles into equal shares*	Practice partitioning circles and rectangles into equal shares. Compose circles from equal shares. Identify and name equal shares. Recognize how many shares it takes to equal one whole, and how the number of shares relates to their sizes.
Time	87	*Using clocks to tell time I*	Students will tell and set time with fifteen-minute increments using both digital clocks and analog clocks. They will also learn the meaning of a.m. and p.m. and use these to indicate the time of day.
	88	*Using clocks to tell time II*	Students will tell and set time with five-minute increments using both digital clocks and analog clocks. Use a.m. and p.m. to indicate the time of day. Solve word problems involving time.
Numbers to 1200	89	*Numbers 1000-1200*	Students learn numbers 1000-1200. Students read these numbers, represent them with a base ten block model, numeral, or number name, and learn their place value composition.
	90	*Adding and subtracting within 1200 using expanded form*	Learn to add and subtract within 1200 using expanded form.
	91	*Comparing and ordering numbers within 1200*	Learn and practice comparing and ordering numbers within 1200 based on place value composition.
	92	*Adding and subtracting 10 and 100 within 1200*	Practice adding and subtracting 10 and 100 within 1200.
Financial literacy	93	*Saving and spending, deposit and withdrawal*	Understand saving as an alternative to spending, and determine how savings can grow over time. Differentiate between a deposit and a withdrawal.
	94	*Borrowing and lending*	Identify examples of borrowing and lending. Assess lending decisions and differentiate between responsible and irresponsible borrowing.
	95	*Producers and consumers*	Differentiate between producers and consumers and calculate the expense involved in producing a simple product.