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**Math Lesson Plan**  
**3rd Grade Curriculum**  
**Total Activities: 190**

Chapter -"Number Theory and Systems"-Understand numeration, number theory, and number systems.		
Lesson Code	Lesson Title and Description	LA Number
5	Place Value Beyond a Thousand-Find place value beyond a thousand.	3B007
1	Expanded Form-Convert numbers containing two to six digits from standard form to expanded form and vice versa.	34066 34130 34131
2	Writing Numbers-Write numbers up to six digits using oral and written cues.	34132 34133 34134
6	Reading and Writing Whole Numbers-Read and write whole numbers up to six digits.	3B001
7	Standard, Expanded and Word Form-Write numbers in standard, expanded and word form and convert between forms for numbers containing two to six digits.	3B008
3	Comparing and Ordering Numbers-Order numbers up to six digits and compare numbers using the symbols	34135 34136 34137

	<, >, and =.	3B003 3B004 3B005
8	Number Lines and Inequalities- Introduction to number lines and inequalities < and > in the context of a number line.	3B006
4	Rounding Numbers-Round numbers to the nearest ten, to the nearest hundred, and to the nearest thousand.	34138 34139 34140 3B009 3B010 3B011
Chapter -"Addition and Subtraction"-Understand the meanings of operations and how they relate to one another. (+, -)		
Lesson Code	Lesson Title and Description	LA Number
1	Addition-Add three or more single digit addends. (grouping property) Add 2- and 3-digit numbers. (with and without regrouping)	34185 34186 34193 34205 3B013 3B014 3B012
2	Subtraction-Subtract 2-and 3-digit numbers. (with regrouping) Subtract 2- and 3-digit numbers when minuend has multiple zeros. (with regrouping)	34198 34199 34200 3B016 3B017 3B015
3	Estimate Sums and Differences- Estimate sums and differences using rounding.	34203 34204 3B018 3B019
Chapter -"Multiplication and Division"-Understand the meanings of operations and how they relate to one another.		
Lesson Code	Lesson Title and Description	LA Number

5	Introduction to Multiplication-An introduction to multiplication (0-12 x 0-12) including multiplication by 0 and 1, using arrays and tables.	3B020 3B022 3B023 3B024 3B021 3B025
1	Multiples and Arrays-Define and list multiples of a given number (1-10). Explore multiplication as repeated addition and arrays.	34070 34088 34089
6	Multiplying by 10 and 100-Multiply whole numbers by 10 and 100.	3B037
2	Multiply 2-digits by 1-digit-Multiply two whole numbers with and without regrouping in which one factor is a one-digit number and the other is a 2-digit number. Multiply mentally by 10, 100, and 1000.	34072 34096 34097 3B026 3B027
7	Introduction to Division-An introduction to simple division problems including divisions involving 0 and 1 and divisions involving remainders using tables and other manipulatives.	3B028 3B029 3B030 3B031 3B032 3B033
3	Division Facts-Recognize and use basic division facts to $100 \div 10$ , and identify dividend, divisor, and quotient. Describe these division properties: you cannot divide by 0, and any number divided by 1 equals that number.	34074 34098 34099
8	Dividing by 10 and 100-Divide whole numbers by 10 and 100.	3B038
4	Divide 2-digits by 1-digit-Divide two-digit dividends by one-digit divisors, with and without remainders.	34106 34107 34108 3B034 3B035 3B036
Chapter - "Fractions and Decimals"-Understand ways of		

representing fractional and decimal numbers.		
Lesson Code	Lesson Title and Description	LA Number
1	Parts of a Set or Whole-Identify parts of a set and parts of a whole with equivalent fractions with denominators up to 10.	34162 34163 34164 3B039 3B041 3B040
2	Equivalent Fractions-Identify equivalent fractions. ( $1/2 = 2/4$ )	34165 34166 34167 3B045
7	Estimating Fractions-Estimate what fractional portion of a shape is highlighted.	3B042
3	Compare and Order Fractions-Order fractions with like denominators and compare fractions using the symbols $<$ , $>$ , and $=$ .	34171 34172 3B043 3B044
8	The Meaning of Decimals-An introduction to decimals.	3B046
4	Relate Fractions and Decimals-Explore the relationship between fractions and decimals. (tenths and hundredths)	34174 34175
5	Write Decimals to Hundredths-Identify decimals to the hundredths place. Read and write decimals to the hundredths.	34187 34188 34189
9	Place Value with Decimals-Understand tenths, hundredths and thousandths.	3B047
6	Compare and Order Decimals-Order decimals to the hundredths place, and compare decimals using the symbols $<$ , $>$ , and $=$ .	34190 34191 34192

Chapter - "Money"-Understand the concept of money.		
Lesson Code	Lesson Title and Description	LA Number
1	Bills and Coins-Count collection of coins and bills up to \$50. Add and subtract dollar amounts. (dollar and cents)	34148 34150 34149
2	Word Problems-Solve word problems that involve the value of coins, bills, and making change.	34151 34152 34153
3	Unit Price-Solve problems involving unit price of items.	34160 34161 34212
Chapter - "Patterns"-Understand patterns, relations, and functions.		
Lesson Code	Lesson Title and Description	LA Number
1	Repeating Patterns-Identify and extend repeating patterns and apply pattern rules using shapes, colors and numbers.	34112 34113 34114
2	Numeric Patterns-Identify and extend patterns and apply pattern rules using a sequence of related numbers.	34115 34116 34117 3B002
3	Apply Pattern Rules -Apply the appropriate rule to complete a chart including input/output tables.	34118 34119 34120
Chapter - "Algebra"-Represent and analyze mathematical situations using algebraic symbols.		
Lesson Code	Lesson Title and Description	LA Number
1	Numeric Expressions-Represent and evaluate written relationships as numeric expressions.	34145 34147
2	Equations-Solve for an unknown	34154

	quantity in an equation. Example: $3 + \underline{\quad} = 7$ .(Example: missing addend or missing factor)	34155 34156
3	Properties-Use the Order (Commutative) and Grouping (Associative) Properties of Addition and Multiplication to find equivalent expressions or equations containing an unknown quantity.	34157 34158 34159
Chapter -"Properties of Shapes"-Analyze characteristics and properties of two- and three-dimensional shapes.		
Lesson Code	Lesson Title and Description	LA Number
1	Segments, Lines and Line Pairs- Describe line segments, lines and line pairs.	34045 34049 34050
6	Identifying Parts of Angles-Identify vertices and sides in angles.	3B052
2	Classifying Angles-Identify and classify angles as right, acute, or obtuse.	34046 34051 34052
3	Attributes of Polygons-Identify the attributes of polygons (sides and angles) and sort by particular characteristics of the plane figure.	34062 34076 34077 3B053
4	Attributes of Solid Figures-Identify the attributes of solid figures (edges, vertices, and faces) such as cubes, rectangular prisms, rectangular pyramids, cones, cylinders, and spheres and sort by particular characteristics.	34065 34078 34079
5	Nets-Identify and create a two-dimensional representation of a three-dimensional figure.	34069 34080 34081
Chapter -"Coordinate Geometry"-Specify locations and describe spatial relationships using coordinate geometry.		

Lesson Code	Lesson Title and Description	LA Number
1	Distance Between Two Points-Find the horizontal or vertical distance between two points on a coordinate grid.	34053 34054
2	Ordered Pairs-Plot a point on a coordinate grid given an ordered pair and write the ordered pair of a point shown on a coordinate grid.	34042 34055 34056 34057
3	Follow Directions on a Grid-After being given navigational directions from the initial point, identify the ordered pair of the final point.	34082 34083
Chapter -"Transformations and Symmetry"-Apply transformations and use symmetry to analyze mathematical situations.		
Lesson Code	Lesson Title and Description	LA Number
1	Congruent Shapes-Given a plane figure, identify the congruent shape and create a congruent shape using other plane figures.	34044 34058 34059
2	Slides, Flips, Turns-Apply a slide, flip, or turn to a plane figure and predict the result. Identify the image of a plane figure as a slide, flip, or turn.	34048 34060 34061 3B054
3	Line and Point Symmetry-Use line and point symmetry to identify and create symmetrical figures.	34047 34084 34085
Chapter -"Time"-Understand the attributes of time and apply tools.		
Lesson Code	Lesson Title and Description	LA Number
1	Telling Time-Define, tell, and show time to the hour, half hour and quarter	34064 34090

	hour. Define, tell, and show time to the 5 and 1 minute intervals.	34091
2	Elapsed Time-Find elapsed time using minutes, hours, days, and weeks. Develop measuring skills and demonstrate understanding of concepts related measuring time.	34067 34100 34101 34109
3	Time Schedules-Interpret time schedules using minutes, hours, days, and weeks.	34111 34144 34214
Chapter -"Customary System"-Use the customary system of measurement to understand the attributes of length, weight, capacity, and temperature and apply appropriate measuring techniques.		
Lesson Code	Lesson Title and Description	LA Number
1	Length-Define units of length. (inch, foot, yard, mile) Estimate and compare length. Measure to the nearest half-inch.	34121 34122 34123
2	Capacity-Define units of capacity. (cup, pint, quart, gallon) Estimate and compare capacity.	34124 34125 34126
3	Weight-Define units of weight. (ounce, pound) Estimate and compare weight.	34127 34128 34129
4	Temperature-Read thermometer to nearest 5-degree interval.	34141 34142 34143
Chapter -"Metric System"-Use the customary system of measurement to understand the attributes of length, mass, capacity, and temperature and apply appropriate measuring techniques.		
Lesson Code	Lesson Title and Description	LA Number
1	Length-Define units of length. (centimeter, decimeter, meter)	34168 34169

	Estimate and compare length. Measure to the nearest centimeter.	34170
2	Capacity-Define units of capacity. (milliliters, liters) Estimate and compare capacity.	34194 34195
3	Mass-Define units of mass. (grams, kilograms) Estimate and compare mass.	34196 34197
4	Temperature-Read thermometer to nearest 5-degree interval.	34201 34202
Chapter - "Perimeter and Area"-Understand the attributes of perimeter, area, and volume and apply appropriate techniques, tools, and formulas to determine measurements.		
Lesson Code	Lesson Title and Description	LA Number
1	Perimeter-Find perimeter by counting units and by adding lengths. Measure to find the perimeter. Select appropriate label for measurement.	34177 34178 34179
2	Area-Find area by counting units. Multiply to find area. Select appropriate labels of measurement.	34180 34181 34182 3B055
3	Comparing Perimeter and Area- Compare perimeter and area.	34183 34184
Chapter - "Display and Interpret Data"-Display and interpret data in charts and graphs.		
Lesson Code	Lesson Title and Description	LA Number
1	Pictographs-Display and interpret data in pictographs.	34071 34086 34087
2	Bar Graphs-Display and interpret data in vertical and horizontal bar graphs.	34073 34102 34103
3	Tables-Display and interpret data in	34075

	tables including tally, data, and frequency tables.	34104
4	Frequency Tables-Display and interpret data in frequency tables using two attributes.	34105 34110
Chapter - "Probability"-Apply basic concepts of probability.		
Lesson Code	Lesson Title and Description	LA Number
1	Certain, Possible, Impossible-Determine the certainty, likelihood, and fairness of events.	34063 34092 34093
2	Possible Outcomes-Determine and list all the possible outcomes of an event.	34094 34095 34211
Chapter - "Problem-Solving"-The learner will learn heuristics and methods for solving problems.		
Lesson Code	Lesson Title and Description	LA Number
1	Basic Problem Solving-Use basic problem solving methods to solve problems, including an introduction to using models, Polya's four-step method, identifying whether enough information has been given, and constructing word problems that represent addition and subtraction of whole numbers.	3B051 3B049 3B050 3B048