A+ TutorSoft Inc. - Interactive MATH

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Elementary Grade Levels - Scope and Sequence

	1st Grade MATH	2nd Grade MATH	3rd Grade MATH	4th Grade MATH
Number Sense	Counting Numbers , Reverse Counting, Skip Counting, Identifying Numbers, Number Types, Place Value, Number Combinations, Comparing and Ordering Numbers	Counting Numbers to 1,000 , Reverse Counting, Skip Counting by 2s, 5s, 10s, 25s, Identifying Numbers, Number Types, Place Value and Number Combinations up to 3-Digits, Comparing, Ordering and Arranging Numbers, Even and Odd Numbers	The Numbering System and Place Values, Number Forms, Defining and Grouping Whole Numbers, Number Combinations, Comparing and Ordering Numbers, Odd and Even Numbers, Rounding Numbers	Place Values and Expanded Form, Defining and Grouping Whole Numbers, Number Combinations, Comparing & Ordering Whole Numbers, Even and Odd Numbers , Rounding Numbers
Addition	Addition Using Objects, Addition Table, Regrouping, Addition Properties, Addition with 2-Digit Numbers and 3 Number Sets	Addition Using Objects, Addition Table, Regrouping, Addition Properties, Addition with 3-Digit Numbers and 3 Number Sets	Review of Addition, Properties of Addition, Adding up to a 5-digit Number and a 4-digit Number, Estimating Addition with Large Numbers, Adding 3 Number Sets	Review of Addition, Properties of Addition, Adding up to a 7-digit Number and a 6-digit Number, Adding 3 Number Sets
Subtraction	Subtraction Using Objects, Subtraction Table, Subtraction by Regrouping, Subtraction Properties, Subtraction with 2-Digit Numbers and with Borrowed Numbers	Subtraction Using Objects, Subtraction Table, Subtraction by Regrouping, Subtraction Properties, Subtraction with 3-Digit Numbers and with Borrowed Numbers	Review of Subtraction, Properties of Subtraction, Subtraction Involving Borrowed Numbers, Subtracting up to a 4-digit Number from a 4-digit Number, Estimating Subtraction with Large Numbers	Review of Subtraction, Properties of Subtraction, Subtracting up to a 5-digit Number from a 5-digit Number
Multiplication	NA	Multiplication in Relation to Addition, Multiplication Using Objects and Multiplication Table, Multiplication Tricks, Multiplying a 2-digit Number by a 1-digit Number	Multiplication in Relation to Addition, Properties of Multiplication, Multiplication Table , Multiplication Tricks, Multiplying up to a 3-digit Number and a 2-digit Number, Multiplication with Three Numbers	Multiplication in Relation to Addition, Properties of Multiplication, Multiplication Table , Multiplication Tricks, Multiplying up to a 3-digit Number and a 3-digit Number, Multiplication with Three Numbers
Division	NA	Division in Relation to Subtraction, Division in Relation to Multiplication, Division Using Objects, Division with a Remainder, Division with 0 and 1	Division Facts and Terms, Division in Relation to Subtraction and Multiplication, Basic Properties of Division, Dividing Using the Division Bracket, Division with a Remainder, Division of up to a 3-digit Number by a 2-digit Number	Division Facts and Terms, Division in Relation to Subtraction and Multiplication, Dividing Using the Division Bracket, Division with a Remainder, Division of up to a 5-digit Number by a 2-digit Number
Rounding and Estimating	NA	Rounding to the Nearest 10 and 100 using a Number Line, Rounding without using a Number Line, Estimating with Addition and Subtraction	Rounding and Estimating Addition and Subtraction with Large Numbers	Rounding and Estimating Addition and Subtraction with Large Numbers, Rounding with Decimal Numbers
Decimal Numbers	NA	NA	Decimals Numbers, Displaying Decimal Numbers, Counting Money with Decimals, Adding and Subtracting Decimal Numbers	Displaying Decimal Numbers, Adding and Subtracting Decimal Numbers, Multiplying Decimal Numbers, Counting Money with Decimals, Word Problems with Decimals
Fractions	Identifying and Writing Fractions, Fractions Using Objects, Equivalent Fractions	Identifying and Writing Fractions, Fractions Using Objects, Writing Equivalent Fractions	Identifying and Writing Fractions, Writing Equivalent Fractions	Fractions Review, Equivalent Fractions, The Greatest Common Factor, Least Common Multiple , Least Common Denominator , Simplifying Fractions
Operations With Fractions	NA	Comparing Fractions, Adding and Subtracting Simple Fractions	Comparing Fractions, Adding and Subtracting Simple Fractions	Adding and Subtracting Fractions with Like Denominators, Adding and Subtracting Fractions with Unlike Denominators, Multiplying Fractions

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Number Conversions and Mixed Fractions	NA	NA	NA	Converting Whole Numbers to Improper Fractions, Converting Decimal Numbers into Fractions , Converting Fractions into Decimal Numbers, Converting Mixed Fractions to Improper Fractions, Converting Improper Fractions to Mixed Fractions, Adding and Subtracting Mixed Fractions
The Number Line	NA	Introduction to Number Line	Number Line	The Number Line, Plotting Numbers on the Number Line, Comparing Fractions and Decimal Numbers on the Number Line
Graphs	Picture Graphs and Bar Graphs	Creating and interpreting Tally Charts, Picture Graphs and Bar Graphs	Creating and interpreting Circle and Bar Graphs	Creating and interpreting Circle, Line and Bar Graphs
Money	Pennies, Nickels, Dimes, Quarters, Counting Money up to One Dollar, Comparing Money	Pennies, Nickels, Dimes, Quarters, Converting Money, Counting Coins up to and past One Dollar, Counting Dollars and Coins, Comparing Money	Counting Money, Converting Money into Decimal Form, Comparing Money, Making Change	Counting Money, Converting Money into Decimal Form, Comparing Money, Making Change
Time	Days, Weeks, Months and Years, Seconds, Minutes and Hours, Digital and Analog Clocks, Telling Time to the Hour, Half-hour and Quarter-hour	Days, Weeks, Months and Years, Seconds, Minutes and Hours, Digital and Analog Clocks, Telling Time to the Hour, Half-hour and Quarter-hour and 5-Minute Interval, Converting Time, Duration of Time	Review of Time , Telling Time, Converting Digital and Analog Time, Converting Units of Time, Adding Different Units of Time, Finding and Adding Elapsed Time	Review of Time , Telling Time, Converting Digital and Analog Time, Converting Units of Time, Adding Different Units of Time, Finding and Adding Elapsed Time
Measurements	The US and Metric Systems of Measurements, Length, Weight and Temperature	The U.S. and Metric Systems of Measurement, Length, Perimeter and Area, Volume, Weight, and Temperature	The US and Metric Systems of Measurement, Weight, Temperature, Length, Measuring Length, Perimeter, Area, and Volume	The US and Metric Systems of Measurement, Length, Weight, Temperature, Rate and Distance, Perimeter, Area of a Square, a Rectangle and a Triangle, Volume & Liquid Volume, Volume of a Cube and a Rectangular Box
Geometry	Plane and Solid Shapes, Vertices, Edges and Faces, Polygons	Basic 2-dimensional and 3-dimensional Geometric Shapes, Polygons, Identifying Congruent 2-dimensional Shapes, Lines of Symmetry, Completing the Shape	Basic Geometry Review, Points, Lines and Line Segments, Measuring Line Segments, Parallel, Intersecting and Perpendicular Lines, Angles, Triangles, Quadrilaterals, Polygons, and Solid Figures	Points, Lines and Line Segments, Parallel, Intersecting and Perpendicular Lines, Angles, Measuring Angles, Triangles, Quadrilaterals, Polygons, Lines of Symmetry, Solid Figures
Algebra	Patterns with objects and Shapes, Number Patterns, Balancing Number Equations	Patterns, Arithmetic and Geometric Number Patterns, Numeric Expressions and Equations, Writing Expressions and Equations, Completing Equations	The Number Line, Patterns using Shapes and Symbols, Number Patterns using Addition and Subtraction, Number Patterns using Multiplication and Division, Unknown Variables in Mathematical Equations	Number Patterns using Addition, Subtraction, Multiplication and Division, Patterns with Shapes and Symbols, Variables, Expressions and Equations, Writing Expressions and Equations, Inequalities using Variables, Formulas, Order of Operations, Evaluating Expressions, Equations with One Variable
Basic Probability	NA	NA	Introduction to Probability, Probability Based on a Given Event or Data Set	Introduction to Probability, Probability Based on a Given Event or Data Set
Word Problems, Critical Thinking	Some	Some	Word Problems and Problem Solving Process, Age Word Problems, Wage Calculation Word Problems, Family Budgeting Word Problems, Word Problems involving Mathematical Statements	Word Problems and Problem Solving Process, Age Word Problems, Wage Calculation Word Problems, Family Budgeting Word Problems, Word Problems involving Mathematical Statements