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## PREVIEW

GRADES K-2

## Into Math Table of Contents – Grade K

Unit 1: Count Sequence and Numbers to 5		
	<b>Lessons</b>	
<b>Module 1—Represent Numbers to 5</b>	1.1	Represent 1 and 2
	1.2	Represent 3 and 4
	1.3	Represent 5
	1.4	Represent 0
	1.5	Ways to Make 5
	<b>Lessons</b>	
<b>Module 2—Represent Numbers to 5 with a Written Numeral</b>	2.1	Count and Write 0 and 1
	2.2	Count and Write 2 and 3
	2.3	Count and Write 4 and 5
	2.4	Count and Write Numbers to 5
	2.5	Count and Order to 5
	<b>Lessons</b>	
<b>Module 3—Matching and Counting Numbers to 5</b>	3.1	Identify a Greater Number of Objects Within 5
	3.2	Identify a Lesser Number of Objects Within 5
	3.3	Match Equal Groups of Objects Within 5
	3.4	Compare Groups Within 5 by Counting
	3.5	Compare Groups Within 5 by Matching
	3.6	Compare Numbers Within 5
	<b>Lessons</b>	
<b>Module 4—Classify, Count, and Sort Objects</b>	4.1	Classify and Count by Color
	4.2	Classify and Count by Shape
	4.3	Classify and Count by Size
	4.4	Classify, Count, and Sort by Count
	<b>Lessons</b>	
<b>Module 5—Add To and Take From Within 5</b>	5.1	Act Out Addition Problems Within 5
	5.2	Act Out Subtraction Problems Within 5
	5.3	Solve Add To Problems Within 5
	5.4	Solve Take From Problems Within 5
	5.5	Write Addition Equations Within 5
	5.6	Write Subtraction Equations Within 5
	5.7	Solve Result Unknown Word Problems Within 5

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	Lessons	
<b>Module 6—Put Together and Take Apart Within 5</b>	6.1	Represent Addition Problems Within 5 Using Objects and Drawings
	6.2	Represent Subtraction Problems Within 5 Using Objects and Drawings
	6.3	Solve Put Together Problems Within 5
	6.4	Solve Take Apart Problems Within 5
	6.5	Represent Addition Using Mental Images
	6.6	Represent Subtraction Using Mental Images
	6.7	Solve Word Problems Within 5
<b>Unit 2: Count Sequence and Numbers to 10</b>		
	Lessons	
<b>Module 7—Represent Numbers 6 to 10 with Objects</b>	7.1	Represent 6 and 7
	7.2	Represent 8 and 9
	7.3	Represent 10
	Lessons	
<b>Module 8—Represent Numbers 6 to 10 with a Written Numeral</b>	8.1	Count and Write 6 and 7
	8.2	Count and Write 8 and 9
	8.3	Count and Write 10
	8.4	Count and Order to 10
	Lessons	
<b>Module 9—Use the Count Sequence to Count to 100</b>	9.1	Count to 100 by Ones
	9.2	Count to 100 by Tens
	9.3	Count Forward From a Given Number
	Lessons	
<b>Module 10—Compare Numbers to 10</b>	10.1	Identify a Greater Number of Objects Within 10
	10.2	Identify a Lesser Number of Objects Within 10
	10.3	Match Equal Groups of Objects Within 10
	10.4	Compare Groups Within 10 by Counting
	10.5	Compare Groups Within 10 by Matching
	10.6	Compare Numbers Within 10



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	Lessons	
<b>Module 11—Add To and Take From Within 10</b>	11.1	Act Out Addition Problems Within 10
	11.2	Act Out Subtraction Problems Within 10
	11.3	Solve Add To Problems Within 10
	11.4	Solve Take From Problems Within 10
	11.5	Write Addition Equations Within 10
	11.6	Write Subtraction Equations Within 10
	11.7	Solve Result Unknown Word Problems Within 10
	Lessons	
<b>Module 12—Put Together and Take Apart Within 10</b>	12.1	Represent Addition Problems Within 10 Using Objects and Drawings
	12.2	Represent Subtraction Problems Within 10 Using Objects and Drawings
	12.3	Solve Put Together Problems Within 10
	12.4	Solve Take Apart Problems Within 10
	12.5	Solve Word Problems Within 10
	Lessons	
<b>Module 13—Ways to Make Numbers to 10</b>	13.1	Ways to Make 6 and 7
	13.2	Ways to Make 8
	13.3	Ways to Make 9
	13.4	Ways to Make 10
	13.5	Make 10 From a Given Number
<b>Unit 3: Geometry</b>		
	Lessons	
<b>Module 14—Analyze and Compare Three-Dimensional Shapes</b>	14.1	Identify and Describe Spheres
	14.2	Identify and Describe Cubes
	14.3	Identify and Describe Cylinders
	14.4	Identify and Describe Cones
	14.5	Build Shapes
	Lessons	
<b>Module 15—Describe Positions of Objects</b>	15.1	Use <i>Above</i> and <i>Below</i> to Describe Position
	15.2	Use <i>Next To</i> and <i>Beside</i> to Describe Position
	15.3	Use <i>In Front Of</i> and <i>Behind</i> to Describe Position

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	Lessons	
<b>Module 16—Analyze and Compare Two-Dimensional Shapes</b>	16.1	Identify and Describe Circles
	16.2	Identify and Describe Squares
	16.3	Identify and Describe Triangles
	16.4	Identify and Describe Rectangles
	16.5	Identify and Describe Hexagons
	16.6	Compose Simple Shapes
	16.7	Compare Two-Dimensional and Three-Dimensional Shapes
<b>Unit 4: Number and Operations in Base Ten</b>		
	Lessons	
<b>Module 17—Place Value Foundations: Represent Numbers to 20</b>	17.1	Compose Ten Ones and Some More Ones to 14
	17.2	Compose Ten Ones and Some More Ones to 15
	17.3	Compose Ten Ones and Some More Ones to 19
	17.4	Represent Numbers to 20
	Lessons	
<b>Module 18—Represent Numbers to 20 with a Written Numeral</b>	18.1	Read and Write 11 to 14
	18.2	Read and Write 15
	18.3	Read and Write 16 to 19
	18.4	Read and Write 20
<b>Unit 5: Measurement</b>		
	Lessons	
<b>Module 19—Length and Height</b>	19.1	Describe Attributes of Length and Height
	19.2	Compare and Describe Lengths
	19.3	Compare and Describe Heights
	Lessons	
<b>Module 20—Weight</b>	20.1	Describe Attributes of Weight
	20.2	Compare and Describe Weights
	20.3	Describe More Than One Attribute of an Object



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Unit 1: Ways to Add and Subtract		
	Lessons	
<b>Module 1—Addition Strategies</b>	1.1	Represent Addition
	1.2	Count On
	1.3	Add 10 and More
	1.4	Make a 10 to Add
	1.5	Add Doubles
	1.6	Use Known Sums to Add
	1.7	Choose a Strategy to Add
	Lessons	
<b>Module 2—Subtraction Strategies</b>	2.1	Represent Subtraction
	2.2	Count Back
	2.3	Count On to Subtract
	2.4	Add to Subtract
	2.5	Use 10 to Subtract
	2.6	Choose a Strategy to Subtract
	Lessons	
<b>Module 3—Properties of Operations</b>	3.1	Represent Addition in Any Order
	3.2	Add in Any Order
	3.3	Represent Addition of 3 Numbers
	3.4	Add 3 Numbers
	3.5	Add 3 Numbers to Solve Problems
	3.6	Determine Equal and Not Equal
	3.7	Develop Fluency in Addition
	Lessons	
<b>Module 4—Apply the Addition and Subtraction Relationship</b>	4.1	Think Addition to Subtract
	4.2	Represent Related Facts
	4.3	Identify Related Facts
	4.4	Use Addition to Check Subtraction
	4.5	Use Subtraction to Find an Unknown Addend
	4.6	Solve for the Unknown Addend
	4.7	Develop Fluency in Subtraction

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Unit 2: Addition and Subtraction Situations and Data		
	<b>Lessons</b>	
<b>Module 5—Understand Add To and Take From Problems</b>	5.1	Represent Result Unknown Problems with Objects and Drawings
	5.2	Represent Change Unknown Problems with Objects and Drawings
	5.3	Represent Start Unknown Problems with Objects and Drawings
	5.4	Solve Add To and Take From Problems
	<b>Lessons</b>	
<b>Module 6—Understand Put Together and Take Apart Problems</b>	6.1	Represent Total Unknown Problems with Objects and Drawings
	6.2	Represent Both Addends Unknown Problems with Objects and Drawings
	6.3	Represent Addend Unknown Problems with Objects and Drawings
	6.4	Represent Total Unknown Problems with a Visual Model
	6.5	Represent Addend Unknown and Both Addends Unknown Problems with a Visual Model
	6.6	Solve Put Together and Take Apart Problems
	6.7	Solve Addition and Subtraction Problems
	<b>Lessons</b>	
<b>Module 7—Understand Compare Problems</b>	7.1	Represent Difference Unknown Problems with Objects and Drawings
	7.2	Represent Bigger Unknown Problems with Objects and Drawings
	7.3	Represent Smaller Unknown Problems with Objects and Drawings
	7.4	Represent Difference Unknown Problems with a Visual Model
	7.5	Represent Bigger Unknown and Smaller Unknown Problems with a Visual Model
	7.6	Use Strategies to Solve Compare Problems
	7.7	Solve Addition and Subtraction Situations
	<b>Lessons</b>	
<b>Module 8—Data</b>	8.1	Interpret Picture Graphs
	8.2	Represent Data with Picture Graphs
	8.3	Interpret Tally Charts
	8.4	Represent Data with Tally Charts
	8.5	Interpret Bar Graphs
	8.6	Represent Data with Bar Graphs
	8.7	Use Data to Solve Problems



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Unit 3: Numbers to 120		
	Lessons	
Module 9—Understand Place Value	9.1	Make Ten and Ones
	9.2	Understand Ten and Ones
	9.3	Make Tens
	Lessons	
Module 10—Count and Represent Numbers	10.1	Count to 120
	10.2	Represent Numbers as Tens and Ones with Objects
	10.3	Represent Numbers as Tens and Ones with Drawings
	10.4	Decompose Numbers in Different Ways
	10.5	Represent, Read, and Write Numbers from 100 to 110
	10.6	Represent, Read, and Write Numbers from 110 to 120
	Lessons	
Module 11—Compare Numbers	11.1	Understand Greater Than
	11.2	Understand Less Than
	11.3	Use Symbols to Compare
	11.4	Compare Numbers
Unit 4: Addition and Subtraction in Base Ten		
	Lessons	
Module 12—Understand Addition and Subtraction with Tens and Ones	12.1	Represent Adding Tens
	12.2	Represent Subtracting Tens
	12.3	Add or Subtract Tens
	12.4	Use a Hundred Chart to Add
	12.5	Represent Addition with Tens and Ones
	12.6	Represent Make Ten to Add
	12.7	Represent Make Ten to Add with a Visual Model
	12.8	Use Mental Math to Find 10 Less and 10 More
	Lessons	
Module 13—Two-Digit Addition and Subtraction	13.1	Use a Hundred Chart to Show Two-Digit Addition and Subtraction
	13.2	Understand and Explain Place Value Addition
	13.3	Understand and Explain Place Value Subtraction
	13.4	Solve Two-Digit Addition and Subtraction Problems
	13.5	Practice Facts to 20
	13.6	Practice Two-Digit Addition and Subtraction



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Unit 5: Geometry		
	Lessons	
<b>Module 14—Three-Dimensional Shapes</b>	14.1	Describe and Draw Three-Dimensional Shapes
	14.2	Compose Three-Dimensional Shapes
	14.3	Make New Three-Dimensional Shapes
	Lessons	
<b>Module 15—Two-Dimensional Shapes</b>	15.1	Sort Two-Dimensional Shapes by Attribute
	15.2	Describe and Draw Two-Dimensional Shapes
	15.3	Compose Two-Dimensional Shapes
	15.4	Identify Composed Shapes
	15.5	Make New Two-Dimensional Shapes
	Lessons	
<b>Module 16—Fraction Foundations</b>	16.1	Take Apart Two-Dimensional Shapes
	16.2	Identify Equal or Unequal Shares
	16.3	Partition Shapes into Halves
	16.4	Partition Shapes into Fourths
Unit 6: Measurement		
	Lessons	
<b>Module 17—Measure Length</b>	17.1	Order Length
	17.2	Use Indirect Measurement to Compare Length
	17.3	Use Nonstandard Units to Measure Length
	17.4	Make a Nonstandard Measuring Tool
	Lessons	
<b>Module 18—Measure Time</b>	18.1	Understand Time to the Hour
	18.2	Understand Time to the Half Hour
	18.3	Tell Time to the Hour and Half Hour
	18.4	Practice Time to the Hour and Half Hour



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Unit 1: Numbers to 20 and Data		
	Lessons	
<b>Module 1—Fluency for Addition and Subtraction Within 20</b>	1.1	Use Doubles Facts to Add
	1.2	Develop Fluency with Addition Using Strategies and Properties
	1.3	Relate Addition and Subtraction
	1.4	Develop Fluency with Subtraction Using Mental Strategies
	1.5	Use the Make a Ten Strategy to Add
	1.6	Use a Tens Fact to Subtract
	1.7	Add 3 Numbers Using Strategies and Properties
	Lessons	
<b>Module 2—Equal Groups</b>	2.1	Identify Even and Odd Numbers
	2.2	Write Equations to Represent Even Numbers
	2.3	Represent Equal Groups
	2.4	Add to Find the Total Number of Objects in Arrays
	2.5	Practice with Arrays
	Lessons	
<b>Module 3—Data</b>	3.1	Collect and Record Data
	3.2	Interpret Picture Graphs
	3.3	Draw Picture Graphs to Represent Data
	3.4	Interpret Bar Graphs
	3.5	Draw Bar Graphs to Represent Data
Unit 2: Place Value		
	Lessons	
<b>Module 4—Understand Place Value</b>	4.1	Group Tens as Hundreds
	4.2	Understand Three-Digit Numbers
	4.3	Represent Three-Digit Numbers
	4.4	Represent Numbers with Hundreds, Tens, and Ones
	4.5	Place Value to 1,000
	Lessons	
<b>Module 5—Read, Write, and Show Numbers to 1,000</b>	5.1	Use Expanded Form
	5.2	Use Number Names
	5.3	Different Ways to Write Numbers
	5.4	Different Ways to Show Numbers
	5.5	Read, Write, and Show Numbers

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	Lessons	
<b>Module 6—Use Place Value</b>	6.1	Count Within 1,000
	6.2	Add and Subtract 10 or 100
	6.3	Identify and Extend Number Patterns
	6.4	Compare Three-Digit Numbers
	6.5	Use Symbols to Compare Numbers
<b>Unit 3: Money and Time</b>		
	Lessons	
<b>Module 7—Coins</b>	7.1	Relate Place Value to Coins
	7.2	Identify and Find the Value of Coins
	7.3	Compute the Value of Coin Combinations
	7.4	Show Amounts in Different Ways
	Lessons	
<b>Module 8—Dollar Amounts</b>	8.1	Relate the Value of Coins to One Dollar
	8.2	Compute the Value of Dollar Combinations
	8.3	Solve Problems Involving Money
	Lessons	
<b>Module 9—Time</b>	9.1	Tell and Write Time to 5 Minutes
	9.2	Different Ways to Tell and Write Time
	9.3	Practice Telling and Writing Time
	9.4	A.M. and P.M.
<b>Unit 4: Two-Digit Addition and Subtraction</b>		
	Lessons	
<b>Module 10—Addition and Subtraction Counting Strategies</b>	10.1	Use a Hundred Chart
	10.2	Use a Number Line
	10.3	Use Counting Strategies
	Lessons	
<b>Module 11—Addition and Subtraction Grouping Strategies</b>	11.1	Decompose Ones to Add
	11.2	Decompose Ones to Subtract
	11.3	Use Compensation to Add
	11.4	Decompose Addends as Tens and Ones
	11.5	Decompose Numbers to Subtract

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	Lessons	
<b>Module 12—Represent and Record Addition and Subtraction</b>	12.1	Represent Regrouping for Addition
	12.2	Represent Regrouping for Subtraction
	12.3	Represent and Record Two-Digit Addition
	12.4	Represent and Record Two-Digit Subtraction
	12.5	Add Two-Digit Numbers
	12.6	Subtract Two-Digit Numbers
	Lessons	
<b>Module 13—Develop Addition and Subtraction Fluency</b>	13.1	Develop Fluency with Two-Digit Addition
	13.2	Develop Fluency with Two-Digit Subtraction
	13.3	Rewrite Addition Problems
	13.4	Rewrite Subtraction Problems
	13.5	Use Addition and a Number Line to Subtract
	13.6	Add 3 Two-Digit Numbers Using Strategies and Properties
	13.7	Add 4 Two-Digit Numbers Using Strategies and Properties
	Lessons	
<b>Module 14—Algebra</b>	14.1	Use Drawings to Represent Addition and Subtraction Situations
	14.2	Use Equations to Represent Addition and Subtraction Situations
	14.3	Use Drawings and Equations to Represent Two-Digit Addition
	14.4	Use Drawings and Equations to Represent Two-Digit Subtraction
	Lessons	
<b>Module 15—Addition and Subtraction Word Problems</b>	15.1	Solve Addition Word Problems
	15.2	Solve Subtraction Word Problems
	15.3	Solve Multistep Addition and Subtraction Problems
<b>Unit 5: Three-Digit Addition and Subtraction</b>		
	Lessons	
<b>Module 16—Three-Digit Addition</b>	16.1	Use Drawings to Represent Three-Digit Addition
	16.2	Decompose Three-Digit Addends
	16.3	Represent Regrouping for Addition
	16.4	Add Three-Digit Numbers
	Lessons	
<b>Module 17—Three-Digit Subtraction</b>	17.1	Represent Three-Digit Subtraction
	17.2	Represent Regrouping for Subtraction
	17.3	Subtract Three-Digit Numbers
	17.4	Represent Regrouping with Zeros
	17.5	Regrouping with Zeros
	17.6	Add and Subtract Three-Digit Numbers

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Unit 6: Measurement: Length		
	Lessons	
<b>Module 18—Length in Inches, Feet, and Yards</b>	18.1	Estimate Lengths Using Inches
	18.2	Make and Use a Ruler
	18.3	Measure to the Nearest Inch
	18.4	Make Line Plots to Show Measurement Data
	18.5	Estimate Lengths Using Feet
	18.6	Measure in Inches and Feet
	18.7	Measure to the Nearest Yard
	18.8	Choose Appropriate Tools
	Lessons	
<b>Module 19—Length in Centimeters and Meters</b>	19.1	Estimate Lengths Using Centimeters
	19.2	Measure to the Nearest Centimeter
	19.3	Estimate Lengths Using Meters
	19.4	Measure in Centimeters and Meters
	Lessons	
<b>Module 20—Relate Addition and Subtraction to Length</b>	20.1	Relate Inches to a Number Line
	20.2	Add and Subtract Lengths in Inches
	20.3	Relate Centimeters to a Number Line
	20.4	Add and Subtract Lengths in Centimeters
	20.5	Measure and Compare Lengths in Centimeters
Unit 7: Geometry and Fractions		
	Lessons	
<b>Module 21—Two- and Three-Dimensional Shapes</b>	21.1	Identify and Draw Three-Dimensional Shapes
	21.2	Identify and Draw Two-Dimensional Shapes
	21.3	Find and Count Angles in Two-Dimensional Shapes
	21.4	Sort Two-Dimensional Shapes by Sides and Angles
	Lessons	
<b>Module 22—Understand Fractions</b>	22.1	Partition Rectangles
	22.2	Identify and Describe Equal Shares
	22.3	Draw Equal Shares
	22.4	Show and Describe an Equal Share
	22.5	Different Ways to Show Equal Shares









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