



Grade K

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

Unit 1 COUNT SEQUENCE AND NUMBERS TO 5

Module 1: Represent Numbers to 5 with Objects

Lesson 1.1 Represent 1 and 2

Lesson 1.2 Represent 3 and 4

Lesson 1.3 Represent 5

Lesson 1.4 Represent 0

Lesson 1.5 Ways to Make 5

Module 2: Represent Numbers to 5 with a Written Numeral

Lesson 2.1 Count and Write 0 and 1

Lesson 2.2 Count and Write 2 and 3

Lesson 2.3 Count and Write 4 and 5

Lesson 2.4 Count and Write Numbers to 5

Lesson 2.5 Count and Order to 5

Module 3: Matching and Counting Numbers to 5

Lesson 3.1 Identify a Greater Number of Objects Within 5

Lesson 3.2 Identify a Lesser Number of Objects Within 5

Lesson 3.3 Match Equal Groups of Objects Within 5

Lesson 3.4 Compare Groups Within 5 by Counting

Lesson 3.5 Compare Groups Within 5 by Matching

Lesson 3.6 Compare Numbers Within 5

Module 4: Classify, Count, and Sort Objects

- Lesson 4.1 Classify and Count by Color
- Lesson 4.2 Classify and Count by Shape
- Lesson 4.3 Classify and Count by Size
- Lesson 4.4 Classify, Count, and Sort by Count

Module 5: Add To and Take Away From Within 5

- Lesson 5.1 Act Out Addition Problems Within 5
- Lesson 5.2 Act Out Subtraction Problems Within 5
- Lesson 5.3 Solve Add To Problems Within 5
- Lesson 5.4 Solve Take From Problems Within 5
- Lesson 5.5 Write Addition Equations Within 5
- Lesson 5.6 Write Subtraction Equations Within 5
- Lesson 5.7 Solve Result Unknown Word Problems Within 5

Module 6: Put Together and Take Apart Within 5

- Lesson 6.1 Represent Addition Problems Within 5 Using Objects and Drawings
- Lesson 6.2 Represent Subtraction Problems Within 5 Using Objects and Drawings
- Lesson 6.3 Solve Put Together Problems Within 5
- Lesson 6.4 Solve Take Apart Problems Within 5
- Lesson 6.5 Represent Addition Using Mental Images
- Lesson 6.6 Represent Subtraction Using Mental Images
- Lesson 6.7 Solve Word Problems Within 5

| |
|---|
| Unit 2 COUNT SEQUENCE AND NUMBERS TO 10 |
|---|

Module 7: Represent Numbers 6 to 10 with Objects

- Lesson 7.1 Represent 6 and 7
- Lesson 7.2 Represent 8 and 9
- Lesson 7.3 Represent 10

Module 8: Represent Numbers 6 to 10 with a Written Numeral

- Lesson 8.1 Count and Write 6 and 7

Lesson 8.2 Count and Write 8 and 9

Lesson 8.3 Count and Write 10

Lesson 8.4 Count and Order to 10

Module 9: Use the Count Sequence to Count to 100

Lesson 9.1 Count to 100 by Ones

Lesson 9.2 Count to 100 by Tens

Lesson 9.3 Count Forward from a Given Number

Module 10: Compare Numbers to 10

Lesson 10.1 Identify a Greater Number of Objects Within 10

Lesson 10.2 Identify a Lesser Number of Objects Within 10

Lesson 10.3 Match Equal Groups of Objects Within 10

Lesson 10.4 Compare Groups Within 10 by Counting

Lesson 10.5 Compare Groups Within 10 by Matching

Lesson 10.6 Compare Numbers Within 10

Module 11: Add To and Take From Within 10

Lesson 11.1 Act Out Addition Problems Within 10

Lesson 11.2 Act Out Subtraction Problems Within 10

Lesson 11.3 Solve Add To Problems Within 10

Lesson 11.4 Solve Take From Problems Within 10

Lesson 11.5 Write Addition Equations Within 10

Lesson 11.6 Write Subtraction Equations Within 10

Lesson 11.7 Solve Result Unknown Word Problems Within 10

Module 12: Put Together and Take Apart Within 10

Lesson 12.1 Represent Addition Problems Within 10 Using Objects and Drawings

Lesson 12.2 Represent Subtraction Problems Within 10 Using Objects and Drawings

Lesson 12.3 Solve Put Together Problems Within 10

Lesson 12.4 Solve Take Apart Problems Within 10

Lesson 12.5 Solve Word Problems Within 10

Module 13: Ways to Make Numbers to 10

Lesson 13.1 Ways to Make 6 and 7

Lesson 13.2 Ways to Make 8

Lesson 13.3 Ways to Make 9

Lesson 13.4 Ways to Make 10

Lesson 13.5 Make 10 from a Given Number

| |
|-----------------|
| Unit 3 GEOMETRY |
|-----------------|

Module 14: Analyze and Compare Three-Dimensional Shapes

Lesson 14.1 Identify and Describe Spheres

Lesson 14.2 Identify and Describe Cubes

Lesson 14.3 Identify and Describe Cylinders

Lesson 14.4 Identify and Describe Cones

Lesson 14.5 Build Shapes

Module 15: Describe Positions of Objects

Lesson 15.1 Use *Above* and *Below* to Describe Position

Lesson 15.2 Use *Next To* and *Beside* to Describe Position

Lesson 15.3 Use *In Front Of* and *Behind* to Describe Position

Module 16: Analyze and Compare Two-Dimensional Shapes

Lesson 16.1 Identify and Describe Circles

Lesson 16.2 Identify and Describe Squares

Lesson 16.3 Identify and Describe Triangles

Lesson 16.4 Identify and Describe Rectangles

Lesson 16.5 Identify and Describe Hexagons

Lesson 16.6 Compose Simple Shapes

Lesson 16.7 Compare Two-Dimensional and Three-Dimensional Shapes

Unit 4 NUMBER AND OPERATIONS IN BASE TEN

Module 17: Place Value Foundations: Represent Numbers to 20

Lesson 17.1 Compose Ten Ones and Some More Ones to 14

Lesson 17.2 Compose Ten Ones and Some More Ones to 15

Lesson 17.3 Compose Ten Ones and Some More Ones to 19

Lesson 17.4 Represent Numbers to 20

Module 18: Place Value Foundations: Represent Numbers to 20 with a Written Numeral

Lesson 18.1 Count and Write 11 to 14

Lesson 18.2 Count and Write 15

Lesson 18.3 Count and Write 16 to 19

Lesson 18.4 Count and Write 20

Unit 5 MEASUREMENT

Module 19: Length and Height

Lesson 19.1 Describe Attributes of Length and Height

Lesson 19.2 Compare and Describe Lengths

Lesson 19.3 Compare and Describe Heights

Module 20: Weight

Lesson 20.1 Describe Attributes of Weight

Lesson 20.2 Compare and Describe Weights

Lesson 20.3 Describe More Than One Attribute of an Object



Grade 1

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

Unit 1 WAYS TO ADD AND SUBTRACT

Module 1: Addition Strategies

Lesson 1.1 Represent Addition

Lesson 1.2 Count On

Lesson 1.3 Add 10 and More

Lesson 1.4 Make a 10 to Add

Lesson 1.5 Add Doubles

Lesson 1.6 Use Known Sums to Add

Lesson 1.7 Choose a Strategy to Add

Module 2: Subtraction Strategies

Lesson 2.1 Represent Subtraction

Lesson 2.2 Count Back

Lesson 2.3 Count On to Subtract

Lesson 2.4 Add to Subtract

Lesson 2.5 Use 10 to Subtract

Lesson 2.6 Choose a Strategy to Subtract

Module 3: Properties of Operations

Lesson 3.1 Represent Addition in Any Order

Lesson 3.2 Add in Any Order

Lesson 3.3 Represent Addition of 3 Numbers

Lesson 3.4 Add 3 Numbers

Lesson 3.5 Add 3 Numbers to Solve Problems

Lesson 3.6 Determine Equal and Not Equal

Lesson 3.7 Develop Fluency in Addition

Module 4: Apply the Addition and Subtraction Relationship

Lesson 4.1 Think Addition to Subtract

Lesson 4.2 Represent Related Facts

Lesson 4.3 Identify Related Facts

Lesson 4.4 Use Addition to Check Subtraction

Lesson 4.5 Use Subtraction to Find an Unknown Addend

Lesson 4.6 Solve for the Unknown Addend

Lesson 4.7 Develop Fluency in Subtraction

Unit 2 ADDITION AND SUBTRACTION SITUATIONS AND DATA

Module 5: Understand Add To and Take From Problems

Lesson 5.1 Represent Result Unknown Problems with Objects and Drawings

Lesson 5.2 Represent Change Unknown Problems with Objects and Drawings

Lesson 5.3 Represent Start Unknown Problems with Objects and Drawings

Lesson 5.4 Solve Add To and Take From Problems

Module 6: Understand Put Together and Take Apart Problems

Lesson 6.1 Represent Total Unknown Problems with Objects and Drawings

Lesson 6.2 Represent Both Addends Unknown Problems with Objects and Drawings

Lesson 6.3 Represent Addend Unknown Problems with Objects and Drawings

Lesson 6.4 Represent Total Unknown Problems with a Visual Model

Lesson 6.5 Represent Addend Unknown and Both Addends Unknown Problems with a Visual Model

Lesson 6.6 Solve Put Together and Take Apart Problems

Lesson 6.7 Solve Addition and Subtraction Problems

Module 7: Understand Compare Problems

Lesson 7.1 Represent Difference Unknown Problems with Objects and Drawings

Lesson 7.2 Represent Bigger Unknown Problems with Objects and Drawings

Lesson 7.3 Represent Smaller Unknown Problems with Objects and Drawings

Lesson 7.4 Represent Difference Unknown Problems with a Visual Model

Lesson 7.5 Represent Bigger Unknown and Smaller Unknown Problems with a Visual Model

Lesson 7.6 Use Strategies to Solve Compare Problems

Lesson 7.7 Solve Addition and Subtraction Situations

Module 8: Data

Lesson 8.1 Interpret Picture Graphs

Lesson 8.2 Represent Data with Picture Graphs

Lesson 8.3 Interpret Tally Charts

Lesson 8.4 Represent Data with Tally Charts

Lesson 8.5 Interpret Bar Graphs

Lesson 8.6 Represent Data with Bar Graphs

Lesson 8.7 Use Data to Solve Problems

Unit 3 NUMBERS TO 120

Module 9: Understand Place Value

Lesson 9.1 Make Tens and Ones

Lesson 9.2 Understand Ten and Ones

Lesson 9.3 Make Tens

Module 10: Count and Represent Numbers

Lesson 10.1 Count to 120

Lesson 10.2 Represent Numbers as Tens and Ones with Objects

Lesson 10.3 Represent Numbers as Tens and Ones with Drawings

Lesson 10.4 Decompose Numbers in Different Ways

Lesson 10.5 Represent, Read, and Write Numbers from 100 to 110

Lesson 10.6 Represent, Read, and Write Numbers from 110 to 120

Module 11: Compare Numbers

Lesson 11.1 Understand Greater Than

Lesson 11.2 Understand Less Than

Lesson 11.3 Use Symbols to Compare

Lesson 11.4 Compare Numbers

Unit 4 ADDITION AND SUBTRACTION IN BASE TEN

Module 12: Understand Addition and Subtraction with Tens and Ones

Lesson 12.1 Represent Adding Tens

Lesson 12.2 Represent Subtracting Tens

Lesson 12.3 Add or Subtract Tens

Lesson 12.4 Use a Hundred Chart to Add

Lesson 12.5 Represent Addition with Tens and Ones

Lesson 12.6 Represent Make Ten to Add

Lesson 12.7 Represent Make Ten to Add with a Visual Model

Lesson 12.8 Use Mental Math to Find 10 Less and 10 More

Module 13: Two-Digit Addition and Subtraction

Lesson 13.1 Use a Hundred Chart to Show Two-Digit Addition and Subtraction

Lesson 13.2 Understand and Explain Place Value Addition

Lesson 13.3 Understand and Explain Place Value Subtraction

Lesson 13.4 Solve Two-Digit Addition and Subtraction Problems

Lesson 13.5 Practice Facts to 20

Lesson 13.6 Practice Two-Digit Addition and Subtraction

Unit 5 GEOMETRY

Module 14: Three-Dimensional Shapes

Lesson 14.1 Describe and Draw Three-Dimensional Shapes

Lesson 14.2 Compare Three-Dimensional Shapes

Lesson 14.3 Make New Three-Dimensional Shapes

Module 15: Two-Dimensional Shapes

Lesson 15.1 Sort Two-Dimensional Shapes by Attribute

Lesson 15.2 Describe and Draw Two-Dimensional Shapes

Lesson 15.3 Compose Two-Dimensional Shapes

Lesson 15.4 Identify Composed Shapes

Lesson 15.5 Make New Two-Dimensional Shapes

Module 16: Fraction Foundations

Lesson 16.1 Take Apart Two-Dimensional Shapes

Lesson 16.2 Identify Equal or Unequal Shares

Lesson 16.3 Partition Shapes into Halves

Lesson 16.4 Partition Shapes into Fourths

Unit 6 MEASUREMENT

Module 17: Measure Length

Lesson 17.1 Order Length

Lesson 17.2 Use Indirect Measurement to Compare Length

Lesson 17.3 Use Nonstandard Units to Measure Length

Lesson 17.4 Make a Nonstandard Measuring Tool

Module 18: Measure Time

Lesson 18.1 Understand Time to the Hour

Lesson 18.2 Understand Time to the Half Hour

Lesson 18.3 Tell Time to the Hour and Half Hour

Lesson 18.4 Practice Time to the Hour and Half Hour



Grade 2

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

Unit 1 NUMBERS TO 20 AND DATA

Module 1: Fluency for Addition and Subtraction Within 20

Lesson 1.1 Use Doubles Facts to Add

Lesson 1.2 Develop Fluency with Addition Using Mental Strategies and Properties

Lesson 1.3 Relate Addition and Subtraction

Lesson 1.4 Develop Fluency with Subtraction Using Mental Strategies

Lesson 1.5 Use the Make a Ten Strategy to Add

Lesson 1.6 Use a Tens Fact to Subtract

Lesson 1.7 Add 3 Numbers Using Mental Strategies and Properties

Module 2: Equal Groups

Lesson 2.1 Identify Even and Odd Numbers

Lesson 2.2 Write Equations to Represent Even Numbers

Lesson 2.3 Represent Equal Groups

Lesson 2.4 Add to Find the Total Number of Objects in Arrays

Lesson 2.5 Practice with Arrays

Module 3: Data

Lesson 3.1 Collect and Record Data

Lesson 3.2 Interpret Picture Graphs

Lesson 3.3 Draw Picture Graphs to Represent Data

Lesson 3.4 Interpret Bar Graphs

Lesson 3.5 Draw Bar Graphs to Represent Data

Unit 2 PLACE VALUE

Module 4: Understand Place Value

- Lesson 4.1 Group Tens as Hundreds
- Lesson 4.2 Understand Three-Digit Numbers
- Lesson 4.3 Represent Three-Digit Numbers
- Lesson 4.4 Represent Numbers with Hundreds, Tens, and Ones
- Lesson 4.5 Place Value to 1,000

Module 5: Read, Write, and Show Numbers to 1,000

- Lesson 5.1 Use Expanded Form
- Lesson 5.2 Use Number Names
- Lesson 5.3 Different Ways to Write Numbers
- Lesson 5.4 Different Ways to Show Numbers
- Lesson 5.5 Read, Write, and Show Numbers

Module 6: Use Place Value

- Lesson 6.1 Count Within 1,000
- Lesson 6.2 Add and Subtract 10 or 100
- Lesson 6.3 Identify and Extend Number Patterns
- Lesson 6.4 Compare Three-Digit Numbers
- Lesson 6.5 Use Symbols to Compare Numbers

Unit 3 MONEY AND TIME

Module 7: Coins

- Lesson 7.1 Relate Place Value to Coins
- Lesson 7.2 Identify and Find the Value of Coins
- Lesson 7.3 Compute the Value of Coin Combinations
- Lesson 7.4 Show Amounts in Different Ways

Module 8: Dollar Amounts

- Lesson 8.1 Relate the Value of Coins to One Dollar

Lesson 8.2 Compute the Value of Dollar Combinations

Lesson 8.3 Solve Problems Involving Money

Module 9: Time

Lesson 9.1 Tell and Write Time to 5 Minutes

Lesson 9.2 Different Ways to Tell and Write Time

Lesson 9.3 Practice Telling and Writing Time

Lesson 9.4 Tell and Write Time with A.M. and P.M.

Unit 4 ADDITION AND SUBTRACTION IN BASE TEN

Module 10: Addition and Subtraction Counting Strategies

Lesson 10.1 Use a Hundred Chart

Lesson 10.2 Use a Number Line

Lesson 10.3 Use Counting Strategies

Module 11: Addition and Subtraction Grouping Strategies

Lesson 11.1 Decompose Ones to Add

Lesson 11.2 Decompose Ones to Subtract

Lesson 11.3 Decompose Numbers to Add

Lesson 11.4 Decompose Addends as Tens and Ones

Lesson 11.5 Decompose Numbers to Subtract

Module 12: Represent and Record Addition and Subtraction

Lesson 12.1 Represent Regrouping for Addition

Lesson 12.2 Represent Regrouping for Subtraction

Lesson 12.3 Represent and Record Two-Digit Addition

Lesson 12.4 Represent and Record Two-Digit Subtraction

Lesson 12.5 Add Two-Digit Numbers

Lesson 12.6 Subtract Two-Digit Numbers

Module 13: Develop Addition and Subtraction Fluency

Lesson 13.1 Rewrite Addition Problems

Lesson 13.2 Rewrite Subtraction Problems

Lesson 13.3 Use Addition and a Number Line to Subtract

Lesson 13.4 Add 3 Two-Digit Numbers Using Strategies and Properties

Lesson 13.5 Add 4 Two-Digit Numbers Using Strategies and Properties

Module 14: Algebra

Lesson 14.1 Use Drawings to Represent Addition and Subtraction Situations

Lesson 14.2 Use Equations to Represent Addition and Subtraction Situations

Lesson 14.3 Use Drawings and Equations to Represent Two-Digit Addition

Lesson 14.4 Use Drawings and Equations to Represent Two-Digit Subtraction

Module 15: Addition and Subtraction Word Problems

Lesson 15.1 Solve Addition Word Problems

Lesson 15.2 Solve Subtraction Word Problems

Lesson 15.3 Solve Multistep Addition and Subtraction Problems

| |
|---|
| Unit 5 THREE-DIGIT ADDITION AND SUBTRACTION |
|---|

Module 16: Three-Digit Addition

Lesson 16.1 Use Drawings to Represent Three-Digit Addition

Lesson 16.2 Decompose Three-Digit Addends

Lesson 16.3 Represent Regrouping for Addition

Lesson 16.4 Add Three-Digit Numbers

Module 17: Three-Digit Subtraction

Lesson 17.1 Represent Three-Digit Subtraction

Lesson 17.2 Represent Regrouping for Subtraction

Lesson 17.3 Subtract Three-Digit Numbers

Lesson 17.4 Represent Regrouping with Zeros

Lesson 17.5 Regrouping with Zeros

Lesson 17.6 Add and Subtract Three-Digit Numbers

Unit 6 MEASUREMENT: LENGTH

Module 18: Length in Inches, Feet, and Yards

- Lesson 18.1 Estimate Lengths Using Inches
- Lesson 18.2 Make and Use a Ruler
- Lesson 18.3 Measure to the Nearest Inch
- Lesson 18.4 Make Line Plots to Show Measurement Data
- Lesson 18.5 Estimate Lengths Using Feet
- Lesson 18.6 Measure in Inches and Feet
- Lesson 18.7 Measure to the Nearest Yard
- Lesson 18.8 Choose Appropriate Tools

Module 19: Length in Centimeters and Meters

- Lesson 19.1 Estimate Lengths Using Centimeters
- Lesson 19.2 Measure to the Nearest Centimeter
- Lesson 19.3 Estimate Lengths Using Meters
- Lesson 19.4 Measure in Centimeters and Meters

Module 20: Relate Addition and Subtraction to Length

- Lesson 20.1 Relate Inches to a Number Line
- Lesson 20.2 Add and Subtract Lengths in Inches
- Lesson 20.3 Relate Centimeters to a Number Line
- Lesson 20.4 Add and Subtract Lengths in Centimeters
- Lesson 20.5 Measure and Compare Lengths in Centimeters

Unit 7 GEOMETRY AND FRACTIONS

Module 21: Two- and Three-Dimensional Shapes

- Lesson 21.1 Identify and Draw Three-Dimensional Shapes
- Lesson 21.2 Identify and Draw Two-Dimensional Shapes
- Lesson 21.3 Find and Count Angles in Two-Dimensional Shapes
- Lesson 21.4 Sort Two-Dimensional Shapes by Sides and Angles

Module 22: Understand Fractions

Lesson 22.1 Partition Rectangles

Lesson 22.2 Identify and Describe Equal Shares

Lesson 22.3 Draw Equal Shares

Lesson 22.4 Show and Describe an Equal Share

Lesson 22.5 Different Ways to Show Equal Shares



Grade 3

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

Unit 1 UNDERSTAND MULTIPLICATION AND AREA

Module 1: Understand Multiplication

Lesson 1.1 Count Equal Groups

Lesson 1.2 Relate Addition and Multiplication

Lesson 1.3 Represent Multiplication with Arrays

Lesson 1.4 Understand the Commutative Property of Multiplication

Lesson 1.5 Represent Multiplication with Number Lines

Lesson 1.6 Represent Multiplication with Bar Models

Module 2: Relate Multiplication and Area

Lesson 2.1 Understand Area by Counting Unit Squares

Lesson 2.2 Measure Area by Counting Unit Squares

Lesson 2.3 Relate Area to Addition and Multiplication

Lesson 2.4 Solve Problems with Area

Lesson 2.5 Find the Area of Combined Rectangles

Unit 2 MULTIPLICATION AND DIVISION

Module 3: Understand Multiplication Strategies

Lesson 3.1 Multiply with 2 and 4

Lesson 3.2 Multiply with 5 and 10

Lesson 3.3 Multiply with 3 and 6

Module 4: Apply Multiplication Properties as Strategies

Lesson 4.1 Understand the Identity and Zero Properties of Multiplication

Lesson 4.2 Understand the Distributive Property

Lesson 4.3 Understand the Associative Property of Multiplication

Lesson 4.4 Multiply with 7

Lesson 4.5 Multiply with 8

Lesson 4.6 Multiply with 9

Lesson 4.7 Identify Number Patterns on the Multiplication Table

Module 5: Read, Write, and Show Numbers to 1,000

Lesson 5.1 Use the Distributive Property

Lesson 5.2 Use the Associative Property of Multiplication

Lesson 5.3 Use Place-Value Strategies to Multiply with Multiples of 10

Lesson 5.4 Multiply Multiples of 10 by 1-Digit Numbers

Module 6: Understand Division

Lesson 6.1 Represent Division

Lesson 6.2 Separate Objects into Equal Groups

Lesson 6.3 Find the Number of Equal Groups

Lesson 6.4 Relate Subtraction and Division

Lesson 6.5 Represent Division with Arrays

Lesson 6.6 Represent Division with Bar Models

Lesson 6.7 Apply Division Rules for 1 and 0

Module 7: Relate Multiplication and Division

Lesson 7.1 Relate Multiplication and Division

Lesson 7.2 Write Related Facts

Lesson 7.3 Multiply and Divide with 2, 4, and 8

Lesson 7.4 Multiply and Divide with 5 and 10

Lesson 7.5 Multiply and Divide with 3 and 6

Lesson 7.6 Multiply and Divide with 7 and 9

Lesson 7.7 Build Fluency with Multiplication and Division

Module 8: Apply Multiplication and Division

Lesson 8.1 Identify and Extend Problems

Lesson 8.2 Find Unknown Factors and Numbers

Lesson 8.3 Use Multiplication and Division to Solve Problem Situations

Lesson 8.4 Solve Two-Step Problems

Lesson 8.5 Practice with One- and Two-Step Problems

Unit 3 ADDITION AND SUBTRACTION STRATEGIES AND APPLICATIONS

Module 9: Addition and Subtraction Strategies

Lesson 9.1 Identify Number Patterns on the Addition Table

Lesson 9.2 Use Mental Math Strategies for Addition and Subtraction

Lesson 9.3 Use Properties to Add

Lesson 9.4 Use Mental Math to Assess Reasonableness

Lesson 9.5 Round to the Nearest Ten or Hundred

Lesson 9.6 Use Estimation with Sums and Differences

Module 10: Addition and Subtraction Within 1,000

Lesson 10.1 Use Expanded Form to Add

Lesson 10.2 Use Place Value to Add

Lesson 10.3 Combine Place Values to Subtract

Lesson 10.4 Use Place Value to Subtract

Lesson 10.5 Choose a Strategy to Add or Subtract

Lesson 10.6 Model and Solve Two-Step Problems

Module 11: Understand Perimeter

Lesson 11.1 Describe Perimeter

Lesson 11.2 Find Perimeter

Lesson 11.3 Find Unknown Side Lengths

Lesson 11.4 Represent Rectangles with the Same Area and Different Perimeters

Lesson 11.5 Represent Rectangles with the Same Perimeter and Different Areas

Module 12: Time Measurement and Intervals

Lesson 12.1 Tell and Write Time to the Minute

Lesson 12.2 Use a.m. and p.m. to Describe Time

Lesson 12.3 Measure Time Intervals

Lesson 12.4 Find Start and End Times

Lesson 12.5 Solve Time Interval Problems

Unit 4 FRACTIONS

Module 13: Understand Fractions as Numbers

Lesson 13.1 Describe Equal Parts of a Whole

Lesson 13.2 Represent and Name Unit Fractions

Lesson 13.3 Represent and Name Fractions of a Whole

Lesson 13.4 Represent and Name Fractions on a Number Line

Lesson 13.5 Express Whole Numbers as Fractions

Lesson 13.6 Represent and Name Fractions Greater Than 1

Lesson 13.7 Use Fractions to Measure Lengths

Module 14: Relate Shapes, Fractions, and Area

Lesson 14.1 Relate Fractions and Area

Lesson 14.2 Partition Shapes into Equal Areas

Lesson 14.3 Use Unit Fractions to Describe Area

Module 15: Compare Fractions

Lesson 15.1 Compare Fractions Using Concrete and Visual Models

Lesson 15.2 Compare Fractions with the Same Denominator

Lesson 15.3 Compare Fractions with the Same Numerator

Lesson 15.4 Use Reading Strategies to Compare Fractions

Module 16: Understand Equivalent Fractions

Lesson 16.1 Use Drawings to Represent Equivalent Fractions with Smaller Parts

Lesson 16.2 Represent Equivalent Fractions with Larger Parts

Lesson 16.3 Recognize and Generate Equivalent Fractions

Unit 5 MEASUREMENT AND DATA

Module 17: Liquid Volume and Mass

Lesson 17.1 Estimate and Measure Liquid Volume

Lesson 17.2 Estimate and Measure Mass

Lesson 17.3 Solve Problems About Liquid Volume and Mass

Module 18: Represent and Interpret Data

Lesson 18.1 Use Picture Graphs

Lesson 18.2 Make Picture Graphs

Lesson 18.3 Use Bar Graphs

Lesson 18.4 Make Bar Graphs

Lesson 18.5 Use Line Plots to Display Measurement Data

Lesson 18.6 Make Line Plots to Display Measurement Data

Lesson 18.7 Solve One- and Two- Step Problems Using Data

Unit 6 GEOMETRY

Module 19: Define Two-Dimensional Shapes

Lesson 19.1 Describe Shapes

Lesson 19.2 Describe Angles in Shapes

Lesson 19.3 Describe Sides of Shapes

Lesson 19.4 Define Quadrilaterals

Module 20: Categorize Two-Dimensional Shapes

Lesson 20.1 Draw Quadrilaterals

Lesson 20.2 Categorize Quadrilaterals

Lesson 20.3 Categorize Plane Shapes



Grade 4

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

Unit 1 PLACE VALUE AND WHOLE-NUMBER OPERATIONS

Module 1: Place Value of Whole Numbers

- Lesson 1.1 Understand Place Value Relationships
- Lesson 1.2 Read and Write Numbers
- Lesson 1.3 Regroup and Rename Numbers
- Lesson 1.4 Compare and Order Numbers
- Lesson 1.5 Use Place Value Understanding to Round Numbers

Module 2: Addition and Subtraction of Whole Numbers

- Lesson 2.1 Add Whole Numbers and Assess Reasonableness
- Lesson 2.2 Subtract Whole Numbers and Assess Reasonableness
- Lesson 2.3 Use Addition and Subtraction to Solve Comparison Problems
- Lesson 2.4 Apply the Perimeter Formula for Rectangles

Unit 2 MULTIPLICATION AND DIVISION PROBLEMS

Module 3: Understand Multiplication Strategies

- Lesson 3.1 Explore Multiplicative Comparisons
- Lesson 3.2 Distinguish Between Multiplicative and Additive Comparisons
- Lesson 3.3 Use Division to Solve Multiplicative Comparison Problems
- Lesson 3.4 Use Comparisons to Solve Problem Situations
- Lesson 3.5 Solve Multistep Problems with Multiplication and Division

Module 4: Mental Math and Estimation Strategies

Lesson 4.1 Explore Multiplication Patterns with Tens, Hundreds, and Thousands

Lesson 4.2 Explore Division Patterns with Tens, Hundreds, and Thousands

Lesson 4.3 Estimate Products by 1-Digit Numbers

Lesson 4.4 Estimate Quotients Using Compatible Numbers

Lesson 4.5 Use Mental Math Strategies for Multiplication and Division

Module 5: Multiply by 1-Digit Numbers

Lesson 5.1 Represent Multiplication

Lesson 5.2 Use Area Models and the Distributive Property to Multiply

Lesson 5.3 Multiply Using Expanded Form

Lesson 5.4 Multiply Using Partial Products

Lesson 5.5 Use Place Value to Multiply 2-Digit Numbers

Lesson 5.6 Multiply 3-Digit and 4-Digit Numbers

Lesson 5.7 Use Equations to Solve Multistep Problems

Module 6: Understand Division by 1-Digit Numbers

Lesson 6.1 Represent Division

Lesson 6.2 Investigate Remainders

Lesson 6.3 Interpret Remainders

Lesson 6.4 Use Area Models and the Distributive Property to Divide

Lesson 6.5 Divide Using Repeated Subtraction

Lesson 6.6 Divide Using Partial Quotients

Module 7: Divide by 1-Digit Numbers

Lesson 7.1 Represent Division with Regrouping

Lesson 7.2 Use Place Value to Divide

Lesson 7.3 Divide by 1-Digit Numbers

Lesson 7.4 Solve Multistep Multiplication and Division Problems

Unit 3 EXTEND AND APPLY MULTIPLICATION

Module 8: Multiply by 2-Digit Numbers

Lesson 8.1 Multiply with Tens

Lesson 8.2 Estimate Products

Lesson 8.3 Relate Area Models and Partial Products

Lesson 8.4 Multiply Using Partial Products

Lesson 8.5 Multiply with Regrouping

Lesson 8.6 Choose a Multiplication Strategy

Lesson 8.7 Solve Multistep Problems and Assess Reasonableness

Module 9: Apply Multiplication to Area

Lesson 9.1 Apply the Area Formula to Rectangles

Lesson 9.2 Find the Area of Combined Rectangles

Lesson 9.3 Find Unknown Measures

Lesson 9.4 Solve Area Problems

Unit 4 FRACTIONS AND DECIMALS

Module 10: Algebraic Thinking: Number Theory

Lesson 10.1 Investigate Factors

Lesson 10.2 Identify Factors

Lesson 10.3 Generate Multiples Using Factors

Lesson 10.4 Identify Prime and Composite Numbers

Lesson 10.5 Generate and Analyze Number Patterns

Module 11: Addition and Subtraction Grouping Strategies

Lesson 11.1 Compare Fractions Using Visual Models

Lesson 11.2 Compare Fractions Using Benchmarks

Lesson 11.3 Explain Fraction Equivalence Using Visual Models

Lesson 11.4 Generate Equivalent Fractions

Lesson 11.5 Use Common Multiples to Write Equivalent Fractions

Lesson 11.6 Compare Fractions Using Common Numerators and Denominators

Lesson 11.7 Use Comparisons to Order Fractions

Module 12: Relate Fractions and Decimals

- Lesson 12.1 Represent Tenths as Fractions and Decimals 299
- Lesson 12.2 Represent Hundredths as Fractions and Decimals
- Lesson 12.3 Identify Equivalent Fractions and Decimals
- Lesson 12.4 Compare Decimals
- Lesson 12.5 Relate Fractions, Decimals, and Money
- Lesson 12.6 Solve Multistep Money Problems

Module 13: Use Fractions to Understand Angles

- Lesson 13.1 Explore Lines, Rays, and Angles
- Lesson 13.2 Explore Angles
- Lesson 13.3 Relate Angles to Fractional Parts of a Circle
- Lesson 13.4 Relate Degrees to Fractional Parts of Circles
- Lesson 13.5 Measure and Draw Angles Using a Protractor
- Lesson 13.6 Join and Separate Angles
- Lesson 13.7 Find Unknown Angle Measures

Module 14: Understand Addition and Subtraction of Fractions with Like Denominators

- Lesson 14.1 Decompose Fractions into Sums
- Lesson 14.2 Join Parts of the Same Whole
- Lesson 14.3 Represent Addition of Fractions
- Lesson 14.4 Separate Parts of the Same Whole
- Lesson 14.5 Represent Subtraction of Fractions
- Lesson 14.6 Add Fractional Parts of 10 and 100

Module 15: Add and Subtract Fractions and Mixed Numbers with Like Denominators

- Lesson 15.1 Add and Subtract Fractions to Solve Problems
- Lesson 15.2 Rename Fractions and Mixed Numbers
- Lesson 15.3 Add and Subtract Mixed Numbers to Solve Problems
- Lesson 15.4 Rename Mixed Numbers to Subtract

Lesson 15.5 Apply Properties of Addition to Add Fractions and Mixed Numbers

Lesson 15.6 Practice Solving Fraction Problems

Module 16: Multiply Fractions by Whole Numbers

Lesson 16.1 Understand Multiples of Unit Fractions

Lesson 16.2 Find Multiples of Fractions

Lesson 16.3 Represent Multiplication of a Fraction by a Whole Number

Lesson 16.4 Solve Problems Using Multiplication of a Fraction or Mixed Number by a Whole Number

Unit 6 TWO-DIMENSIONAL FIGURES AND SYMMETRY

Module 17: Two-Dimensional Figures

Lesson 17.1 Identify and Draw Perpendicular and Parallel Lines

Lesson 17.2 Identify and Classify Triangles by Angles

Lesson 17.3 Identify and Classify Triangles by Sides

Lesson 17.4 Identify and Classify Quadrilaterals

Lesson 17.5 Measure and Draw Angles of Two-Dimensional Figures

Module 18: Symmetry and Patterns

Lesson 18.1 Recognize Lines of Symmetry

Lesson 18.2 Identify and Draw Lines of Symmetry

Lesson 18.3 Generate and Identify Shape Patterns

Unit 7 MEASUREMENT, DATA, AND TIME

Module 19: Relative Sizes of Customary Measurement Units

Lesson 19.1 Identify Customary Measurement Benchmarks

Lesson 19.2 Compare Customary Units of Length

Lesson 19.3 Compare Customary Units of Weight

Lesson 19.4 Compare Customary Units of Liquid Volume

Lesson 19.5 Represent and Interpret Measurement Data in Line Plots

Module 20: Relative Sizes of Metric Measurement Units

Lesson 20.1 Identify Metric Measurement Benchmarks

Lesson 20.2 Compare Metric Units of Length

Lesson 20.3 Compare Metric Units of Mass and Liquid Volume

Lesson 20.4 Solve Problems Using Measurements

Module 21: Solve Problems with Time and Measurement

Lesson 21.1 Compare Units of Time

Lesson 21.2 Solve Problems Involving Elapsed Time

Lesson 21.3 Solve Problems Involving Start Time and End Time

Lesson 21.4 Practice with Mixed Measures



Grade 5

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

Unit 1 WHOLE NUMBERS, EXPRESSIONS, AND VOLUME

Module 1: Whole Number Place Value and Multiplication

Lesson 1.1 Recognize the 10 to 1 Relationship Among Place-Value Positions

Lesson 1.2 Use Powers of 10 and Exponents

Lesson 1.3 Use a Pattern to Multiply by Multiples of 10, 100, and 1,000

Lesson 1.4 Multiply by 1-Digit Numbers

Lesson 1.5 Multiply by Multi-Digit Numbers

Lesson 1.6 Develop Multiplication Fluency

Module 2: Understand Division of Whole Numbers

Lesson 2.1 Relate Multiplication to Division

Lesson 2.2 Represent Division with 2-Digit Divisors

Lesson 2.3 Estimate with 2-Digit Divisors

Lesson 2.4 Use Partial Quotients

Module 3: Practice Division of Whole Numbers

Lesson 3.1 Divide by 2-Digit Divisors

Lesson 3.2 Interpret the Remainder

Lesson 3.3 Adjust Quotient

Lesson 3.4 Practice with Division

Module 4: Expressions

Lesson 4.1 Write Numerical Expressions

Lesson 4.2 Interpret Numerical Expressions

Lesson 4.3 Evaluate Numerical Expressions

Lesson 4.4 Use Grouping Symbols

Module 5: Volume

Lesson 5.1 Use Unit Cubes to Build Solid Figures

Lesson 5.2 Understand Volume

Lesson 5.3 Estimate Volume

Lesson 5.4 Find Volume of Right Rectangular Prisms

Lesson 5.5 Apply Volume Formulas

Lesson 5.6 Find Volume of Composed Figures

Unit 2 ADD AND SUBTRACT FRACTIONS AND MIXED NUMBERS

Module 6: Understand Addition and Subtraction of Fractions with Unlike Denominators

Lesson 6.1 Represent Fraction Sums and Differences

Lesson 6.2 Represent Addition with Different-Sized Parts

Lesson 6.3 Represent Subtraction with Different-Sized Parts

Lesson 6.4 Rewrite Fractions with a Common Denominator

Module 7: Understand Compare Problems

Lesson 7.1 Use Benchmarks and Number Sense to Estimate

Lesson 7.2 Assess Reasonableness of Fraction Sums and Differences

Lesson 7.3 Assess Reasonableness of Mixed Number Sums and Differences

Lesson 7.4 Rename Mixed Numbers to Subtract

Lesson 7.5 Apply Properties of Addition

Lesson 7.6 Practice Addition and Subtraction Using Equations

Unit 3 MULTIPLY FRACTIONS AND MIXED NUMBERS

Module 8: Understand Multiplication of Fractions

Lesson 8.1 Explore Groups of Equal Shares to Show Multiplication

Lesson 8.2 Represent Multiplication of Whole Numbers by Fractions

Lesson 8.3 Represent Multiplication with Unit Fractions

- Lesson 8.4 Represent Multiplication of Fractions
- Lesson 8.5 Use Representation of Area to Develop Procedures
- Lesson 8.6 Interpret Fraction Multiplication as Scaling
- Lesson 8.7 Multiply Fractions

Module 9: Understand and Apply Multiplication of Mixed Numbers

- Lesson 9.1 Explore Area and Mixed Numbers
- Lesson 9.2 Multiply Mixed Numbers
- Lesson 9.3 Practice Multiplication with Fractions and Mixed Numbers
- Lesson 9.4 Apply Fraction Multiplication to Find Area

| |
|---|
| Unit 4 DIVIDE FRACTIONS AND CONVERT CUSTOMARY UNITS |
|---|

Module 10: Understand Division with Whole Numbers and Unit Fractions

- Lesson 10.1 Interpret a Fraction as Division
- Lesson 10.2 Represent and Find the Size of Equal Parts
- Lesson 10.3 Use Representations of Division of Unit Fractions by Whole Numbers
- Lesson 10.4 Represent and Find the Number of Equal-Sized Parts
- Lesson 10.5 Use Representations of Division of Whole Numbers by Unit Fractions

Module 11: Divide with Whole Numbers and Unit Fractions

- Lesson 11.1 Relate Multiplication and Division of Fractions
- Lesson 11.2 Divide Whole Numbers by Unit Fractions
- Lesson 11.3 Interpret and Solve Division of a Whole Number by a Unit Fraction
- Lesson 11.4 Divide Unit Fractions by Whole Numbers
- Lesson 11.5 Interpret and Solve Division of a Unit Fraction by a Whole Number
- Lesson 11.6 Solve Division Problems Using Visual Models and Equations

Module 12: Customary Measurement

- Lesson 12.1 Convert Customary Measurements
- Lesson 12.2 Solve Multistep Customary Measurement Problems
- Lesson 12.3 Represent and Interpret Measurement Data in Line Plots
- Lesson 12.4 Convert Time and Find Elapsed Time

Unit 5 ADD AND SUBTRACT DECIMALS

Module 13: Decimal Place Value

- Lesson 13.1 Understand Thousandths
- Lesson 13.2 Read and Write Decimals to Thousandths
- Lesson 13.3 Round Decimals
- Lesson 13.4 Compare and Order Decimals

Module 14: Add and Subtract Decimals

- Lesson 14.1 Represent Decimal Addition
- Lesson 14.2 Represent Decimal Subtraction
- Lesson 14.3 Assess Reasonableness of Sums and Differences
- Lesson 14.4 Add Decimals
- Lesson 14.5 Subtract Decimals
- Lesson 14.6 Use Strategies and Reasoning to Add and Subtract

Unit 6 MULTIPLY DECIMALS

Module 15: Multiply Decimals and Whole Numbers

- Lesson 15.1 Understand Decimal Multiplication Patterns
- Lesson 15.2 Represent Multiplication with Decimals and Whole Numbers
- Lesson 15.3 Assess Reasonableness of Products
- Lesson 15.4 Multiply Decimals by 1-Digit Whole Numbers
- Lesson 15.5 Multiply Decimals by 2-Digit Whole Numbers
- Lesson 15.6 Solve Problems Using Bar Models

Module 16: Multiply Decimals

- Lesson 16.1 Represent Decimal Multiplication
- Lesson 16.2 Multiply Decimals
- Lesson 16.3 Multiply Decimals with Zeros in the Product

Unit 7 DIVIDE DECIMALS AND CONVERT METRIC UNITS

Module 17: Divide Decimals

- Lesson 17.1 Understand Decimal Division Patterns

Lesson 17.2 Represent Division of Decimals by Whole Numbers

Lesson 17.3 Assess Reasonableness of Quotients

Lesson 17.4 Divide Decimals by Whole Numbers

Lesson 17.5 Represent Decimal Division

Lesson 17.6 Divide Decimals

Lesson 17.7 Write Zeros in the Dividend

Module 18: Customary and Metric Measurement

Lesson 18.1 Understand Metric Conversions

Lesson 18.2 Solve Customary and Metric Conversion Problems

Lesson 18.3 Solve Multistep Measurement Problems

Unit 8 GRAPHS, PATTERNS, AND GEOMETRY

Module 19: Graphs and Patterns

Lesson 19.1 Describe a Coordinate System

Lesson 19.2 Understand Ordered Pairs

Lesson 19.3 Use Ordered Pairs to Represent Problems

Lesson 19.4 Generate and Identify Numerical Patterns

Lesson 19.5 Identify and Graph Relationships and Patterns

Module 20: Classify Two-Dimensional Figures

Lesson 20.1 Identify and Classify Polygons

Lesson 20.2 Classify and Organize Triangles

Lesson 20.3 Classify and Organize Quadrilaterals

Lesson 20.4 Use Venn Diagrams to Classify Two-Dimensional Figures



Grade 6

Visit with your student's classroom teacher for details on which lessons will be used from Into Math.

UNIT 1 NUMBER SYSTEMS AND OPERATIONS

MODULE 1 Integer Concepts

- Lesson 1 Identify and Interpret Integers
- Lesson 2 Compare and Order Integers on a Number Line
- Lesson 3 Find and Apply Absolute Value

Module 2: Understand Division of Whole Numbers

- Lesson 1 Interpret Rational Numbers
- Lesson 2 Compare Rational Numbers on a Number Line
- Lesson 3 Find and Apply LCM and GCF
- Lesson 4 Order Rational Numbers

MODULE 3 Fraction Division

- Lesson 1 Understand Fraction Division
- Lesson 2 Explore Division of Fractions with Unlike Denominators
- Lesson 3 Explore Division of Mixed Numbers
- Lesson 4 Practice and Apply Division of Fractions and Mixed Numbers
- Lesson 5 Practice Fraction Operations

MODULE 4 Fluency with Multi-Digit Decimal Operations

- Lesson 1 Add and Subtract Multi-Digit Decimals
- Lesson 2 Multiply Multi-Digit Decimals
- Lesson 3 Divide Multi-Digit Whole Numbers

Lesson 4 Divide Multi-Digit Decimals

Lesson 5 Apply Operations with Multi-Digit Decimals

UNIT 2 RATIO AND RATE REASONING

MODULE 5 Ratios and Rates

Lesson 1 Understand the Concept and Language of Ratios

Lesson 2 Represent Ratios and Rates with Tables and Graphs

Lesson 3 Compare Ratios and Rates

Lesson 4 Find and Apply Unit Rates

Lesson 5 Solve Ratio and Rate Problems Using Proportional Reasoning

MODULE 6 Apply Ratios and Rates to Measurement

Lesson 1 Use Ratio Reasoning with Circle Graphs

Lesson 2 Use Rate Reasoning to Convert Within Measurement Systems

Lesson 3 Use Rate Reasoning to Convert Between Measurement Systems

MODULE 7 Understand and Apply Percent

Lesson 1 Understand, Express, and Compare Percent Ratios

Lesson 2 Use Strategies to Find a Percent of a Quantity

Lesson 3 Solve a Variety of Percent Problems

UNIT 3 EXPRESSIONS, EQUATIONS, AND INEQUALITIES

MODULE 8 Numerical and Algebraic Expressions

Lesson 1 Understand and Apply Exponents

Lesson 2 Write and Evaluate Numerical Expressions for Situations

Lesson 3 Write Algebraic Expressions to Model Situations

Lesson 4 Interpret and Evaluate Algebraic Expressions

Lesson 5 Identify and Generate Equivalent Algebraic Expressions

MODULE 9 Solve Problems Using Equations and Inequalities

Lesson 1 Write Equations to Represent Situations

Lesson 2 Use Addition and Subtraction Equations to Solve Problems

Lesson 3 Use Multiplication and Division Equations to Solve Problems

Lesson 4 Use One-Step Equations to Solve a Variety of Problems

Lesson 5 Write and Graph Inequalities

MODULE 10 Real-World Relationships Between Variables

Lesson 1 Represent Equations in Tables and Graphs

Lesson 2 Write Equations from Verbal Descriptions

Lesson 3 Write Equations from Tables and Graphs

UNIT 4 RELATIONSHIPS IN GEOMETRY

MODULE 11 Polygons on the Coordinate Plane

Lesson 1 Graph Rational Numbers on the Coordinate Plane

Lesson 2 Graph Polygons on the Coordinate Plane

Lesson 3 Find Distance on the Coordinate Plane

Lesson 4 Find Perimeter and Area on the Coordinate Plane

MODULE 12 Area of Triangles and Special Quadrilaterals

Lesson 1 Develop and Use the Formula for Area of Parallelograms

Lesson 2 Develop and Use the Formula for Area of Triangles

Lesson 3 Develop and Use the Formula for Area of Trapezoids

Lesson 4 Find Area of Composite Figures

MODULE 13 Surface Area and Volume

Lesson 1 Explore Nets and Surface Area

Lesson 2 Find Volume of Rectangular Prisms

Lesson 3 Solve Volume Problems

UNIT 5 DATA COLLECTION AND ANALYSIS

MODULE 14 Data Collection and Displays

Lesson 1 Explore Statistical Data Collection

Lesson 2 Display Data in Dot Plots

Lesson 3 Make Histograms and Frequency Tables

MODULE 15 Measures of Center

Lesson 1 Explore Mean as Fair Share

Lesson 2 Find Measures of Center

Lesson 3 Choose a Measure of Center

MODULE 16 Variability and Data Distribution

Lesson 1 Explore Patterns of Data

Lesson 2 Display Data in Box Plots

Lesson 3 Find Mean Absolute Deviation

Lesson 4 Explore Measures of Variability

Lesson 5 Describe Distributions