# Ready® | Mathematics

# Guidance for Summer Learning

# Use *Ready Mathematics* as Part of Your Summer Learning Program

This guide maps out Mini Units for using *Ready Mathematics* for summer learning. Each week focuses on one general topic or standards cluster.

The first four weeks' instruction concentrates on major content area lessons and content that is most critical for each particular grade.

The final two weeks' instruction may weave in supporting/additional content standards to help reinforce topics that students will build on in the fall. Follow the Scope and Sequence outlined for your grade level for a successful summer with *Ready Mathematics*!

If your summer school is virtual, be sure to check out our tips for facilitating online classes.

*i-Ready® Personalized Instruction* **Users:** Students should continue to work through their personalized lesson path as determined by their most recent Diagnostic.

## Lesson Lists by Grade

## How Tos

# K Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 1: Make 6, 7, 8, and 9** | | | | | |
| • Unit 2, Lesson 8: Make 6 and 7 (Day 2)<br>• Unit 2, Lesson 8: Make 6 and 7 (Day 3)<br>• Unit 2, Lesson 10: Make 8 and 9 (Day 1)<br>• Unit 2, Lesson 10: Make 8 and 9 (Day 2)<br>• Unit 2, Lesson 10: Make 8 and 9 (Day 3) | **Unit 2**<br>Lessons 8, 10 | • Hungry Guppy<br>• Hungry Fish | • Fish to Make Numbers<br>• Show the Number | • Making a Set Up to 10 Objects<br>• Number Pairs for Sums to 10<br>• Missing Numbers<br>• Identifying Numerals to 10 | • Make Groups of Up to 10 Objects |
| **Week 2: Add and Subtract Within 10** | | | | | |
| • Unit 4, Lesson 18: Add Within 10 (Day 2)<br>• Unit 4, Lesson 18: Add Within 10 (Day 3)<br>• Unit 4, Lesson 18: Add Within 10 (Day 4)<br>• Unit 4, Lesson 19: Subtract Within 10 (Day 1)<br>• Unit 4, Lesson 19: Subtract Within 10 (Day 2) | **Unit 4**<br>Lessons 18, 19 | • Hungry Guppy<br>• Hungry Fish<br>• Match | • Tell Addition Stories<br>• Subtract and Match | • Missing Numbers<br>• Count On to Add<br>• Sums of Ten<br>• Subtraction Number Sentences<br>• Add and Subtract 1 and 2 | • Add Within 10<br>• Subtract Within 10 |
| **Week 3: Teen Numbers** | | | | | |
| • Unit 5, Lesson 21: *Understand* Teen Numbers (Day 3)<br>• Unit 5, Lesson 22: Count Teen Numbers (Day 3)<br>• Unit 5, Lesson 23: Make Teen Numbers (Day 3)<br>• Unit 5, Lesson 23: Make Teen Numbers (Day 4)<br>• Unit 5, Lesson 23: Make Teen Numbers (Day 5) | **Unit 5**<br>Lessons 21–23 | • Match | • Teen Number Vocabulary<br>• Pick and Write<br>• Roll and Make Teen Numbers | • Counting Up to 20 Objects | • Explore Teen Numbers<br>• Count Up to 20 Objects |

*Learning Games are available to students with i-Ready Personalized Instruction for Mathematics, at district discretion.

Ready | Mathematics | 3

# K Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|---|
| **Week 4: Count to 100** | | | | | |
| • Unit 5, Lesson 24: Count to 100 by Tens (Day 1)<br>• Unit 5, Lesson 24: Count to 100 by Tens (Day 3)<br>• Unit 5, Lesson 24: Count to 100 by Tens (Day 4)<br>• Unit 5, Lesson 25: Count to 100 by Ones (Day 1)<br>• Unit 5, Lesson 25: Count to 100 by Ones (Day 2) | **Unit 5**<br>Lessons 24, 25 | • Hungry Guppy<br>• Zoom | • Count by Tens<br>• Tens Bingo | • Count Forward by 1s | • Order Numbers to 10<br>• Order Numbers to 20 |
| **Week 5: Make 10/Practice Facts to 5\*\*** | | | | | |
| • Unit 3, Lesson 13: Make 10 (Day 3)<br>• Unit 3, Lesson 13: Make 10 (Day 4)<br>• Unit 3, Lesson 13: Make 10 (Day 5)<br>• Unit 4, Lesson 20: Practice Facts to 5 (Day 4)<br>• Unit 4, Lesson 20: Practice Facts to 5 (Day 5) | **Units 3 and 4**<br>Lessons 13, 20 | • Hungry Guppy<br>• Hungry Fish<br>• Match | • Make 10<br>• Draw to Make 10<br>• Add and Move<br>• Solve and Color | • Number Pairs for Sums to 10<br>• Missing Numbers<br>• Find Missing Addends for Sums to 10<br>• Counting Up to 20 Objects | • Fluently Add and Subtract Within 5<br>• Make 10 |
| **Week 6: Sort Objects/Name and Compare Shapes\*\*** | | | | | |
| • Unit 6, Lesson 28: Sort Objects (Day 2)<br>• Unit 6, Lesson 28: Sort Objects (Day 3)<br>• Unit 7, Lesson 30: Name Shapes (Day 2)<br>• Unit 7, Lesson 30: Name Shapes (Day 3)<br>• Unit 7, Lesson 31: Compare Shapes (Day 3) | **Units 6 and 7**<br>Lessons 28, 30, 31 | N/A | • Sort Objects<br>• Look for Attributes<br>• I Spy Shapes<br>• Shape Match<br>• Is It Flat or Solid?<br>• Match and Name Shapes<br>• Find and Tell<br>• Alike and Different | • Sorting in Two Ways<br>• Shape and Position of Objects<br>• Plane Shapes and Solid Shapes<br>• Describing and Comparing Shapes by Attributes | • Sort Objects<br>• Circle<br>• Square<br>• Triangle<br>• Cube<br>• Sphere<br>• Identify Two-Dimensional Shapes |

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 Mathematics, at district discretion.
**Weeks 5 and 6 are optional.

## ① Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|---|
| **Week 1: Add and Subtract Within 10** | | | | | |
| • Unit 2, Lesson 7: Number Partners for 6 and 7 (Day 5)<br>• Unit 2, Lesson 8: Number Partners for 8 and 9 (Day 5)<br>• Unit 2, Lesson 9: Number Partners for 10 (Day 5)<br>• Unit 2, Lesson 11: Facts I Know (Day 4)<br>• Unit 2, Lesson 11: Facts I Know (Day 5) | **Unit 2**<br>Lessons 7–9, 11 | • Hungry Fish<br>• Match | • Partners for 6 and 7<br>• Addition to 7<br>• Number Bonds for 8 and 9<br>• Cube Trains for 8 and 9<br>• Match to Make 10<br>• Number Bond Facts | • Find Missing Addends for Sums to 10<br>• Doubles Addition Facts<br>• Number Pairs for Sums to 10<br>• Sums of Ten<br>• Count On to Add | • Number Partners for 6 and 7<br>• Number Partners for 8 and 9<br>• Number Partners for 10<br>• Fluently Add and Subtract Within 10 |
| **Week 2: Add and Subtract Within 20** | | | | | |
| • Unit 3, Lesson 14: Make a Ten to Add (Day 3)<br>• Unit 3, Lesson 14: Make a Ten to Add (Day 4)<br>• Unit 3, Lesson 14: Make a Ten to Add (Day 5)<br>• Unit 3, Lesson 16: Make a Ten to Subtract (Day 4)<br>• Unit 3, Lesson 16: Make a Ten to Subtract (Day 5) | **Unit 3**<br>Lessons 14, 16 | • Hungry Fish<br>• Match | • Make Ten to Add<br>• Make a Ten to Subtract | • Make a Ten to Add Within 20<br>• Number Pairs for Sums to 10<br>• Sums of Ten<br>• Subtraction Within 20<br>• Find the Rule<br>• Find Missing Addends for Sums to 10<br>• Subtraction Number Sentences | • Make a Ten to Add<br>• Make a Ten to Subtract |
| **Week 3: Tens** | | | | | |
| • Unit 4, Lesson 19: *Understand* 10 More and 10 Less (Day 2)<br>• Unit 4, Lesson 19: *Understand* 10 More and 10 Less (Day 3)<br>• Unit 4, Lesson 20: Add and Subtract Tens (Day 5)<br>• Unit 5, Lesson 23: Add Tens to Any Number (Day 4)<br>• Unit 5, Lesson 23: Add Tens to Any Number (Day 5) | **Units 4 and 5**<br>Lessons 19, 20, 23 | • Hungry Fish<br>• Match | • Use Vocabulary for Ten More, Ten Less<br>• Ten More, Ten Less<br>• Add Tens to a Number | • Patterns on the Hundred Chart<br>• Using Models to Subtract 10<br>• One More<br>• One Less<br>• Sums of Ten<br>• Add and Subtract 1 and 2<br>• Two-Digit Addition Without Regrouping<br>• Counting Up to 20 Objects<br>• Count Forward by 1s | • Add Multiples of Ten to Multiples of Ten<br>• Subtract Multiples of Ten from Multiples of Ten<br>• Add Multiples of Ten to Any Two-Digit Number |

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# 1 Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 4: Add Tens and Ones** | | | | | |
| • Unit 5, Lesson 24: Add Tens and Add Ones (Day 3)<br>• Unit 5, Lesson 24: Add Tens and Add Ones (Day 4)<br>• Unit 5, Lesson 25: Add and Regroup (Day 2)<br>• Unit 5, Lesson 25: Add and Regroup (Day 3)<br>• Unit 5, Lesson 25: Add and Regroup (Day 4) | **Unit 5**<br>Lessons 24, 25 | • Hungry Fish<br>• Match | • Add Tens and Ones<br>• Add and Regroup | • Two-Digit Addition Without Regrouping<br>• Identifying Numerals to 10<br>• Counting Up to 20 Objects | • Add Two-Digit and One-Digit Numbers<br>• Add More Two-Digit and One-Digit Numbers<br>• Add Two-Digit Numbers<br>• Add More Two-Digit Numbers |
| **Week 5: Shapes and Length**** | | | | | |
| • Unit 6, Lesson 26: *Understand* Shapes (Day 5)<br>• Unit 6, Lesson 27: *Understand* Putting Shapes Together (Day 4)<br>• Unit 6, Lesson 27: *Understand* Putting Shapes Together (Day 5)<br>• Unit 6, Lesson 28: *Understand* Breaking Shapes into Parts (Day 4)<br>• Unit 6, Lesson 28: *Understand* Breaking Shapes into Parts (Day 5) | **Unit 6**<br>Lessons 26, 27, 28 | N/A | • Draw Two Shapes<br>• Shape Attributes<br>• Shape Match<br>• Put Shapes Together<br>• Parts of Shapes Match<br>• Draw to Show Parts | • Plane Shapes: Defining Attributes<br>• Shape and Position of Objects<br>• Describing and Comparing Shapes by Attributes<br>• Plane Shapes: Making New Shapes<br>• Making Shapes<br>• Plane Figures: Making Equal Shares | • Understand Attributes of Shapes<br>• Divide Shapes into Two Equal Parts<br>• Divide Shapes into Four Equal Parts |
| **Week 6: Data and Time**** | | | | | |
| • Unit 7, Lesson 30: Compare Data (Day 3)<br>• Unit 7, Lesson 30: Compare Data (Day 4)<br>• Unit 7, Lesson 30: Compare Data (Day 5)<br>• Unit 7, Lesson 34: Tell Time (Day 4)<br>• Unit 7, Lesson 34: Tell Time (Day 5) | **Unit 7**<br>Lessons 30, 34 | N/A | • Picture Graph Questions<br>• Vocabulary for Time<br>• Tell Time | • Representing Data: Tally Charts<br>• Counting Up to 20 Objects<br>• Sorting in Two Ways<br>• Telling Time to the Hour and Half Hour | N/A |

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**Weeks 5 and 6 are optional.

## ② Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 1: Add and Subtract Two-Digit Numbers** | | | | | |
| • Unit 2, Lesson 7: Add Two-Digit Numbers (Day 2)<br>• Unit 2, Lesson 7: Add Two-Digit Numbers (Day 3)<br>• Unit 2, Lesson 8: Subtract Two-Digit Numbers (Day 1)<br>• Unit 2, Lesson 8: Subtract Two-Digit Numbers (Day 2)<br>• Unit 2, Lesson 8: Subtract Two-Digit Numbers (Day 3) | **Unit 2**<br>Lessons 7, 8 | • Hungry Fish<br>• Match<br>• Cupcake<br>• Pizza | • Add and Subtract Within 100<br>• Solve a Subtraction Equation | • Patterns on the Hundred Chart<br>• Two-Digit Addition Without Regrouping<br>• Two-Digit Addition with Regrouping<br>• Doubles Addition Facts<br>• Make a Ten to Add Within 20<br>• Two-Digit Subtraction with Regrouping<br>• Two-Digit Subtraction Without Regrouping<br>• Subtraction Within 20<br>• Using Models to Subtract 10 | • Add by Breaking Apart Two-Digit Numbers<br>• Add Within 100 on Number Lines, Part 1<br>• Add Within 100 on Number Lines, Part 2<br>• Subtract Within 100 on Number Lines<br>• Add to Subtract Within 100 on Number Lines, Part 1<br>• Add to Subtract Within 100 on Number Lines, Part 2 |
| **Week 2: Word Problems with Two-Digit Numbers** | | | | | |
| • Unit 2, Lesson 9: Solve One-Step Word Problems with Two-Digit Numbers (Day 1)<br>• Unit 2, Lesson 9: Solve One-Step Word Problems with Two-Digit Numbers (Day 2)<br>• Unit 2, Lesson 9: Solve One-Step Word Problems with Two-Digit Numbers (Day 3)<br>• Unit 2, Lesson 9: Solve One-Step Word Problems with Two-Digit Numbers (Day 4)<br>• Unit 2, Lesson 9: Solve One-Step Word Problems with Two-Digit Numbers (Day 5) | **Unit 2**<br>Lesson 9 | • Cupcake<br>• Pizza | N/A | • Solve Subtraction Work Problems<br>• Solve Subtraction Comparison Problems<br>• Using Addition to Check Subtraction | N/A |

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## ② Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 3: Add Three-Digit Numbers** | | | | | |
| • Unit 2, Lesson 13: Add Three-Digit Numbers (Day 1)<br>• Unit 2, Lesson 13: Add Three-Digit Numbers (Day 2)<br>• Unit 2, Lesson 13: Add Three-Digit Numbers (Day 3)<br>• Unit 2, Lesson 13: Add Three-Digit Numbers (Day 4)<br>• Unit 2, Lesson 13: Add Three-Digit Numbers (Day 5) | **Unit 2**<br>Lesson 13 | N/A | • Use Addition Strategies to Solve<br>• Add Three-Digit Numbers<br>• Add 10 or 100 to a Three-Digit Number | • Three-Digit Addition<br>• Two-Digit Addition Without Regrouping<br>• Two-Digit Addition with Regrouping | • Add Three-Digit and Two-Digit Numbers<br>• Add Three-Digit Numbers |
| **Week 4: Subtract Three-Digit Numbers** | | | | | |
| • Unit 2, Lesson 14: Subtract Three-Digit Numbers (Day 1)<br>• Unit 2, Lesson 14: Subtract Three-Digit Numbers (Day 2)<br>• Unit 2, Lesson 14: Subtract Three-Digit Numbers (Day 3)<br>• Unit 2, Lesson 14: Subtract Three-Digit Numbers (Day 4)<br>• Unit 2, Lesson 14: Subtract Three-Digit Numbers (Day 5) | **Unit 2**<br>Lesson 14 | N/A | • Subtract Three-Digit Numbers<br>• Subtract 10 or 100 from a Number<br>• Use Subtraction Strategies to Solve | • Three-Digit Subtraction<br>• Two-Digit Subtraction with Regrouping<br>• Two-Digit Subtraction Without Regrouping | • Subtract Two-Digit from Three-Digit Numbers<br>• Subtract Three-Digit Numbers |
| **Week 5: Time and Money*** | | | | | |
| • Unit 3, Lesson 24: Tell and Write Time (Day 2)<br>• Unit 3, Lesson 24: Tell and Write Time (Day 3)<br>• Unit 3, Lesson 24: Tell and Write Time (Day 4)<br>• Unit 3, Lesson 25: Solve Word Problems Involving Money (Day 1)<br>• Unit 3, Lesson 25: Solve Word Problems Involving Money (Day 2) | **Unit 3**<br>Lessons 24, 25 | N/A | • Tell Time Vocabulary<br>• Tell Time from Analog and Digital Clocks<br>• Find the Value of Coins and Bills<br>• Make Change | • Telling Time to the Nearest Five Minutes<br>• Counting by 5s<br>• Telling Time to the Hour and Half Hour<br>• Problem Solving: Money Amounts<br>• Coin Combinations<br>• Counting by 5s | N/A |

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**Weeks 5 and 6 are optional.

# ② Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|---|
| **Week 6: Measurement**\*\* | | | | | |
| • Unit 3, Lesson 17: Measure Length (Day 2)<br>• Unit 3, Lesson 17: Measure Length (Day 3)<br>• Unit 3, Lesson 17: Measure Length (Day 4)<br>• Unit 3, Lesson 18: *Understand* Measurement with Different Units (Day 1)<br>• Unit 3, Lesson 18: *Understand* Measurement with Different Units (Day 2) | **Unit 3**<br>Lessons 17, 18 | N/A | • Measure Lengths of Objects<br>• Measure with Different Units<br>• Compare Units | • Measuring Length | • Measure Lengths in Inches<br>• Measure Lengths in Centimeters |

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*\*\*Weeks 5 and 6 are optional.*

# ③ Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 1: Add and Subtract Three-Digit Numbers** | | | | | |
| • Unit 2, Lesson 9: Use Place Value to Add and Subtract (Day 1)<br>• Unit 2, Lesson 9: Use Place Value to Add and Subtract (Day 2)<br>• Unit 2, Lesson 9: Use Place Value to Add and Subtract (Day 3)<br>• Unit 2, Lesson 9: Use Place Value to Add and Subtract (Day 4)<br>• Unit 2, Lesson 9: Use Place Value to Add and Subtract (Day 5) | **Unit 2**<br>Lesson 9 | • Hungry Fish<br>• Cupcake<br>• Pizza | • Model Addition and Subtraction<br>• Add and Subtract Numbers Within 1,000 | • Three-Digit Addition<br>• Three-Digit Subtraction | • Add Three-Digit Numbers<br>• Subtract Three-Digit Numbers<br>• Add Within 1,000 on Number Lines<br>• Subtract Within 1,000 on Number Lines |
| **Week 2: Multiplication** | | | | | |
| • Unit 1, Lesson 1: Understand the Meaning of Multiplication (Day 3)<br>• Unit 1, Lesson 3: Split Numbers to Multiply (Day 2)<br>• Unit 1, Lesson 3: Split Numbers to Multiply (Day 3)<br>• Unit 1, Lesson 3: Split Numbers to Multiply (Day 4)<br>• Unit 2, Lesson 10: Use Place Value to Multiply (Day 1) | **Units 1 and 2**<br>Lessons 1, 3, 10 | • Match<br>• Cupcake<br>• Pizza | • Multiplication Vocabulary Match<br>• Multiplication Stories<br>• Break Apart a Factor<br>• Toss and Multiply<br>• Multiply Multiples of 10<br>• Match the Product | • Multiplication Concepts and Sentences<br>• Solve Multiplication Facts<br>• Write Multiplication and Division Fact Families | • Understand Multiplication, Part 1<br>• Understand Multiplication, Part 2<br>• Break Apart a Number to Multiply, Part 1<br>• Break Apart a Number to Multiply, Part 2<br>• Multiply by Multiples of 10 |

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# 3 Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|---|
| **Week 3: Multiplication and Division** | | | | | |
| • Unit 1, Lesson 5: *Understand* How Multiplication and Division Are Connected (Day 2)<br>• Unit 1, Lesson 5: *Understand* How Multiplication and Division Are Connected (Day 3)<br>• Unit 1, Lesson 6: Multiplication and Division Facts (Day 5)<br>• Unit 3, Lesson 11: Solve One-Step Word Problems Using Multiplication and Division (Day 5)<br>• Unit 3, Lesson 13: Solve Two-Step Word Problems Using the Four Operations (Day 5) | **Units 1 and 3**<br>Lessons 5, 6, 11, 13 | • Match<br>• Pizza | • Find the Missing Number<br>• Use Multiplication to Solve Division<br>• Use a Related Fact<br>• Complete a Fact Family<br>• Place Missing Numbers<br>• Solve Word Problems<br>• Writing Equations<br>• Check Reasonableness | • Write Multiplication and Division Fact Families<br>• Solve Multiplication Facts<br>• Know Division Facts<br>• Solve Problems Involving Partitioning in Equal Groups<br>• Solve Problems Involving Sharing Equal Groups | • Understand Division, Part 2<br>• Multiplication Word Problems, Part 1<br>• Multiplication Word Problems, Part 2<br>• Word Problems Involving Length and Money<br>• Division Word Problems, Part 1<br>• Division Word Problems, Part 2 |
| **Week 4: Fractions** | | | | | |
| • Unit 4, Lesson 17: Find Equivalent Fractions (Day 2)<br>• Unit 4, Lesson 17: Find Equivalent Fractions (Day 4)<br>• Unit 4, Lesson 17: Find Equivalent Fractions (Day 5)<br>• Unit 4, Lesson 18: *Understand* Comparing Fractions (Day 2)<br>• Unit 4, Lesson 18: *Understand* Comparing Fractions (Day 3) | **Unit 4**<br>Lessons 17, 18 | • Match<br>• Bounce<br>• Cloud Machine | • Building Equivalent Fractions | • Find Equivalent Fractions<br>• Parts of a Whole<br>• Parts of a Set | • Understand Equivalent Fractions<br>• Understand Comparing Fractions |

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# 3 Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 5: Area and Perimeter**** | | | | | |
| • Unit 5, Lesson 28: Multiply to Find Area (Day 3)<br>• Unit 5, Lesson 28: Multiply to Find Area (Day 4)<br>• Unit 5, Lesson 29: Add Areas (Day 4)<br>• Unit 5, Lesson 29: Add Areas (Day 5)<br>• Unit 5, Lesson 30: Connect Area and Perimeter (Day 5) | **Unit 5**<br>Lessons 28–30 | N/A | • Area Problems<br>• Decompose to Find Area<br>• Use Perimeter and Area Vocabulary<br>• Work with Perimeter | • Rectangles with the Same Area<br>• Measuring Area<br>• Solve Multiplication Facts<br>• Relating Area and Perimeter | N/A |
| **Week 6: Shapes**** | | | | | |
| • Unit 6, Lesson 31: *Understand* Properties of Shapes (Day 1)<br>• Unit 6, Lesson 31: *Understand* Properties of Shapes (Day 2)<br>• Unit 6, Lesson 31: *Understand* Properties of Shapes (Day 3)<br>• Unit 6, Lesson 32: Classify Quadrilaterals (Day 4)<br>• Unit 6, Lesson 32: Classify Quadrilaterals (Day 5) | **Unit 6**<br>Lessons 31, 32 | N/A | • Geometry Vocabulary Match<br>• Quadrilaterals | • Categories of Place Figures<br>• Attributes of Shapes | • Understand Categories of Shapes<br>• Classify and Compare Quadrilaterals |

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**Weeks 5 and 6 are optional.*

# ④ Mini Units

| ***Ready Mathematics* Instructional Resources** | **Practice and Problem Solving** | **Learning Games*** | **Center Activities** | **Tools for Instruction** | ***i-Ready* Lessons** |
|---|---|---|---|---|---|
| **Week 1: Addition and Subtraction** | | | | | |
| • Unit 1, Lesson 1: *Understand* Place Value (Day 3)<br>• Unit 1, Lesson 3: Add and Subtract Whole Numbers (Day 2)<br>• Unit 1, Lesson 3: Add and Subtract Whole Numbers (Day 3)<br>• Unit 1, Lesson 4: Round Whole Numbers (Day 2)<br>• Unit 1, Lesson 4: Round Whole Numbers (Day 3) | **Unit 1**<br>Lessons 1, 3, 4 | • Zoom<br>• Hungry Fish<br>• Match<br>• Pizza | • The Value of a Digit<br>• Expanded Form and Place Value<br>• Add and Subtract Whole Numbers<br>• Sums and Differences<br>• Rounding Whole Numbers<br>• Rounding to the Same Number | • Place Value through Hundred Millions<br>• Add Multi-Digit Numbers<br>• Subtract Multi-Digit Numbers | • Place Value, Part 1<br>• Place Value, Part 2<br>• Add Whole Numbers<br>• Subtract Whole Numbers<br>• Round Whole Numbers |
| **Week 2: Multiplication** | | | | | |
| • Unit 2, Lesson 7: Multiples and Factors (Day 2)<br>• Unit 2, Lesson 7: Multiples and Factors (Day 3)<br>• Unit 2, Lesson 7: Multiples and Factors (Day 5)<br>• Unit 3, Lesson 11: Multiply Whole Numbers (Day 2)<br>• Unit 3, Lesson 11: Multiply Whole Numbers (Day 3) | **Units 2 and 3**<br>Lessons 7, 11 | N/A | • Using Multiplication Vocabulary<br>• Use Factors and Multiples<br>• Multiplying by One-Digit Numbers<br>• Multiplying by Two-Digit Numbers | • Rectangles with the Same Area<br>• Factors<br>• Multiples<br>• Divisibility Rules<br>• Multiply by One-Digit Numbers<br>• Multiply Three-Digit Numbers by One-Digit Numbers | • Multiples<br>• Factors<br>• Multiply by One-Digit Numbers, Part 1<br>• Multiply by One-Digit Numbers, Part 2<br>• Multiply Two-Digit Numbers |
| **Week 3: Division** | | | | | |
| • Unit 3, Lesson 12: Divide Whole Numbers (Day 1)<br>• Unit 3, Lesson 12: Divide Whole Numbers (Day 2)<br>• Unit 3, Lesson 12: Divide Whole Numbers (Day 3)<br>• Unit 3, Lesson 12: Divide Whole Numbers (Day 4)<br>• Unit 3, Lesson 12: Divide Whole Numbers (Day 5) | **Unit 3**<br>Lesson 12 | N/A | • Dividing by One-Digit Numbers<br>• Division Methods | • Divide by One-Digit Numbers<br>• Divisibility Rules | • Divide Whole Numbers, Part 1<br>• Divide Whole Numbers, Part 2 |

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# ④ Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|---|
| **Week 4: Fractions and Decimals** | | | | | |
| • Unit 4, Lesson 16: Add and Subtract Fractions (Day 4)<br>• Unit 4, Lesson 16: Add and Subtract Fractions (Day 5)<br>• Unit 4, Lesson 19: Multiply Fractions (Day 2)<br>• Unit 4, Lesson 19: Multiply Fractions (Day 3)<br>• Unit 4, Lesson 22: Compare Decimals (Day 3 | **Unit 4**<br>Lessons 16, 19, 22 | • Zoom<br>• Cupcake<br>• Bounce<br>• Cloud Machine | • Different Ways to Show Sums<br>• Fraction Word Problems<br>• Comparing Decimals<br>• Greater Than and Less Than | • Facts and Sums<br>• Compare Decimals to Hundredths | • Add Fractions with Like Denominators<br>• Subtract Fractions with Like Denominators<br>• Multiply a Unit Fraction by a Whole Number<br>• Multiply a Fraction by a Whole Number<br>• Compare Decimals |
| **Week 5: Angles and Shapes**\*\* | | | | | |
| • Unit 5, Lesson 29: Measure and Draw Angles (Day 2)<br>• Unit 5, Lesson 29: Measure and Draw Angles (Day 3)<br>• Unit 6, Lesson 31: Points, Lines, Rays, and Angles (Day 3)<br>• Unit 6, Lesson 32: Classify Two-Dimensional Figures (Day 4)<br>• Unit 6, Lesson 32: Classify Two-Dimensional Figures (Day 5) | **Units 5 and 6**<br>Lessons 29, 31, 32 | N/A | • Measuring Angles<br>• Drawing Angles<br>• Geometry Vocabulary Match<br>• Drawing for Geometry<br>• Triangle Vocabulary Match<br>• Classifying Shapes | • Rays and Angles<br>• Perpendicular and Parallel Line Segments<br>• Attributes of Shapes | • Identify Points, Lines, and Rays<br>• Identify Angles<br>• Measure Angles<br>• Classify Quadrilaterals<br>• Classify Triangles |
| **Week 6: Measurement**\*\* | | | | | |
| • Unit 5, Lesson 24: Time and Money (Day 5)<br>• Unit 5, Lesson 25: Length, Liquid Volume, and Mass (Day 5)<br>• Unit 5, Lesson 26: Perimeter and Area (Day 2)<br>• Unit 5, Lesson 26: Perimeter and Area (Day 3)<br>• Unit 5, Lesson 26: Perimeter and Area (Day 5) | **Unit 5**<br>Lessons 24–26 | N/A | • Multi-Step Money Problems<br>• Distance Problems<br>• Use Perimeter and Area Vocabulary<br>• Perimeter and Area Problems | • Elapsed Time<br>• Solve Measurement Word Problems<br>• Using Line Plots | N/A |

*Learning Games are available to students with i-Ready Personalized Instruction for Mathematics, at district discretion.*
*\*\*Weeks 5 and 6 are optional.*

# ⑤ Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|---|
| **Week 1: Multiply Multi-Digit Numbers and Decimals** | | | | | |
| • Unit 1, Lesson 5: Multiply Whole Numbers (Day 1)<br>• Unit 1, Lesson 5: Multiply Whole Numbers (Day 2)<br>• Unit 1, Lesson 5: Multiply Whole Numbers (Day 3)<br>• Unit 1, Lesson 8: Multiply Decimals (Day 2)<br>• Unit 1, Lesson 8: Multiply Decimals (Day 3) | **Unit 1**<br>Lessons 5, 8 | N/A | • Use Multiplication Vocabulary<br>• Equivalent Multiplication Expressions<br>• Represent Decimal Products | • Multiply Decimals | • Multiply Whole Numbers<br>• Multiply a Decimal by a Whole Number<br>• Multiply a Decimal by a Decimal |
| **Week 2: Divide Multi-Digit Numbers and Decimals** | | | | | |
| • Unit 1, Lesson 6: Divide Whole Numbers (Day 1)<br>• Unit 1, Lesson 6: Divide Whole Numbers (Day 2)<br>• Unit 1, Lesson 6: Divide Whole Numbers (Day 3)<br>• Unit 1, Lesson 9: Divide Decimals (Day 2)<br>• Unit 1, Lesson 9: Divide Decimals (Day 3) | **Unit 1**<br>Lessons 6, 9 | N/A | • Division with Area Models<br>• Solve Area Problems with Division | • Multiply Decimals | • Divide by Two-Digit Numbers, Part 1<br>• Divide by Two-Digit Numbers, Part 2<br>• Divide a Whole Number by a Decimal<br>• Divide a Decimal by a Decimal<br>• Divide a Decimal by a Whole Number |
| **Week 3: Decimal and Fraction Addition and Subtraction** | | | | | |
| • Unit 1, Lesson 7: Add and Subtract Decimals (Day 4)<br>• Unit 1, Lesson 7: Add and Subtract Decimals (Day 5)<br>• Unit 2, Lesson 10: Add and Subtract Fractions (Day 2)<br>• Unit 2, Lesson 10: Add and Subtract Fractions (Day 3)<br>• Unit 2, Lesson 10: Add and Subtract Fractions (Day 4) | **Units 1 and 2**<br>Lessons 7, 10 | • Cupcake<br>• Pizza<br>• Cloud Machine | • Decimal Sums and Differences<br>• Add and Subtract Fractions<br>• Fraction Sums and Differences | • Add and Subtract Unlike Fractions and Mixed Numbers | • Add Decimals<br>• Subtract Decimals<br>• Fraction Addition with Unlike Denominators<br>• Add Mixed Numbers with Unlike Denominators<br>• Fraction Subtraction with Unlike Denominators<br>• Subtract Mixed Numbers with Unlike Denominators |

*Learning Games are available to students with i-Ready Personalized Instruction for Mathematics, at district discretion.

# ⑤ Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Learning Games* | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|---|
| **Week 4: Fraction Multiplication and Division** | | | | | |
| • Unit 2, Lesson 13: *Understand* Products of Fractions (Day 2)<br>• Unit 2, Lesson 14: Multiply Fractions Using an Area Model (Day 1)<br>• Unit 2, Lesson 14: Multiply Fractions Using an Area Model (Day 2)<br>• Unit 2, Lesson 17: *Understand* Division with Unit Fractions (Day 1)<br>• Unit 2, Lesson 17: *Understand* Division with Unit Fractions (Day 2)<br>• Unit 2, Lesson 17: *Understand* Division with Unit Fractions (Day 3) | **Unit 2**<br>Lessons 13, 14, 17 | • Cupcake<br>• Pizza<br>• Cloud Machine | • Tile Dimensions<br>• Fraction Area Models<br>• Quotients—Greater Than or Less Than 1? | • Multiply Fractions<br>• Multiply a Whole Number and a Fraction<br>• Perimeter and Area with Fractions | • Multiply a Whole Number by a Unit Fraction<br>• Multiply a Unit Fraction by a Unit Fraction<br>• Multiply a Fraction by a Fraction<br>• Divide a Whole Number by a Unit Fraction<br>• Divide a Unit Fraction by a Whole Number |
| **Week 5: Volume and Measurement Conversions**\*\* | | | | | |
| • Unit 4, Lesson 26: Find Volume Using Formulas (Day 4)<br>• Unit 4, Lesson 26: Find Volume Using Formulas (Day 5)<br>• Unit 4, Lesson 27: Find Volume of Composite Figures (Day 1)<br>• Unit 4, Lesson 27: Find Volume of Composite Figures (Day 2)<br>• Unit 4, Lesson 27: Find Volume of Composite Figures (Day 3) | **Unit 4**<br>Lessons 26, 27 | N/A | • Use Volume Vocabulary<br>• Volume of Composite Figures | • Use Volume to Solve Problems<br>• Volume Concepts | • Understand and Measure Volume |
| **Week 6: Expressions and Patterns**\*\* | | | | | |
| • Unit 3, Lesson 19: Evaluate and Write Expressions (Day 3)<br>• Unit 3, Lesson 19: Evaluate and Write Expressions (Day 4)<br>• Unit 3, Lesson 20: Analyze Patterns and Relationships (Day 2)<br>• Unit 3, Lesson 20: Analyze Patterns and Relationships (Day 3)<br>• Unit 3, Lesson 20: Analyze Patterns and Relationships (Day 4) | **Unit 3**<br>Lessons 19, 20 | N/A | • Less Than, Equal To, Greater Than<br>• Make It True<br>• Write a Numerical Expression<br>• Find the Expression | • Write and Evaluate Expressions with Grouping Symbols | • Evaluate, Write, and Interpret Expressions |

*Learning Games are available to students with* i-Ready Personalized Instruction *for Mathematics, at district discretion.*
*\*\*Weeks 5 and 6 are optional.*

# 6 Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|
| **Week 1: Ratio Reasoning: Unit Rates and Percents** | | | | |
| • Unit 1, Lesson 2: *Understand* Unit Rate (Day 2)<br>• Unit 1, Lesson 3: Equivalent Ratios (Day 3)<br>• Unit 1, Lesson 4: Solve Problems with Unit Rate (Day 4)<br>• Unit 1, Lesson 4: Solve Problems with Unit Rate (Day 5)<br>• Unit 1, Lesson 5: Solve Problems with Percent (Day 1) | **Unit 1**<br>Lessons 2–5 | • Use Ratio and Rate Vocabulary<br>• Find Equivalent Ratios<br>• Ratio Word Problem Match Up<br>• Rate Comparison Game<br>• Match Percent, Fraction, and Model<br>• Percent 4-in-a-Row | • Visualizing Unit Rate<br>• Write Ratios<br>• Using Ratio Tables to Solve Problems<br>• Understand the Coordinate Plane<br>• Find the Whole from a Part and a Percent<br>• Finding Percents<br>• Relate Fractions and Percents<br>• Write Decimals and Percents | • Understand Unit Rate<br>• Equivalent Ratios<br>• Equivalent Ratio Tables<br>• Graph Equivalent Ratios<br>• Solve Problems with Ratios and Unit Rates<br>• Solve Problems with Measurement Conversions<br>• Understand Percent Concepts<br>• Find Percent of a Number<br>• Solve Problems with Percent |
| **Week 2: The Number System, Part 1** | | | | |
| • Unit 2, Lesson 7: Divide with Fractions (Day 6)<br>• Unit 2, Lesson 8: Divide Multi-Digit Numbers (Day 4)<br>• Unit 2, Lesson 10: Multiply and Divide Decimals (Day 2)<br>• Unit 2, Lesson 10: Multiply and Divide Decimals (Day 3)<br>• Unit 2, Lesson 11: Common Factors and Multiples (Day 4) | **Unit 2**<br>Lessons 7, 8, 10, 11 | • Use Fraction Division Vocabulary<br>• Number Tiles: Compute with Decimals<br>• Card Fill-Up: Decimal Division<br>• Find GCF and LCM | • Divide Fractions<br>• Divide Multi-Digit Whole Numbers<br>• Divide Multi-Digit Decimals<br>• Find the Least Common Multiple<br>• Find the Greatest Common Factor | • Divide Fractions: Whole-Number Quotients<br>• Divide Fractions: Fractional Quotients<br>• Divide Fractions: Use an Algorithm<br>• Understand the Standard Algorithm for Division<br>• Divide Whole Numbers Using the Standard Algorithm<br>• Divide Decimals Using the Standard Algorithm<br>• Greatest Common Factor (GCF)<br>• Least Common Multiple (LCM) |

# 6 Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|
| **Week 3: The Number System, Part 2** | | | | |
| • Unit 2, Lesson 13: Absolute Value and Ordering Numbers (Day 3)<br>• Unit 2, Lesson 13: Absolute Value and Ordering Numbers (Day 4)<br>• Unit 2, Lesson 14: The Coordinate Plane (Day 2)<br>• Unit 2, Lesson 14: The Coordinate Plane (Day 5)<br>• Unit 2, Lesson 14: The Coordinate Plane (Day 6) | **Unit 2**<br>Lessons 13, 14 | • Number Sense<br>• Absolute Value Puzzler<br>• Quadrant Quest | • Understand and Apply Absolute Value<br>• Compare Positive and Negative Rational Numbers<br>• Points on a Coordinate Plane<br>• Graph Points and Polygons<br>• Understand and Apply Absolute Value | • Order Positive and Negative Numbers<br>• Understand Absolute Value<br>• Understand the Four-Quadrant Coordinate Plane<br>• Distance in the Coordinate Plane |
| **Week 4: Expressions and Equations** | | | | |
| • Unit 3, Lesson 15: Numerical Expressions with Exponents (Day 4)<br>• Unit 3, Lesson 16: Algebraic Expressions (Day 5)<br>• Unit 3, Lesson 17: Equivalent Expressions (Day 4)<br>• Unit 3, Lesson 19: Solve Equations (Day 6)<br>• Unit 3, Lesson 20: Solving Inequalities (Day 4) | **Unit 3**<br>Lessons 15–17, 19, 20 | • Use Vocabulary for Algebraic Expressions<br>• Evaluate Expressions with Exponents<br>• Match Expressions<br>• Equation Writing<br>• High Point Inequalities | • Evaluating Expressions Containing Exponents<br>• Use Order of Operations<br>• Use Mathematical Vocabulary<br>• Evaluate Variable Expressions<br>• Write Equivalent Expressions<br>• Solving Equations<br>• Test Solutions of Equations<br>• Solve Inequalities<br>• Write Inequalities<br>• Represent Inequalities on Number Lines | • Numerical Expressions with Exponents<br>• Understand Algebraic Expressions<br>• Write and Evaluate Algebraic Expressions<br>• Algebraic Expressions with Exponents<br>• Equivalent Expressions & the Distributive Property<br>• Equivalent Expressions & Properties of Addition<br>• Write and Solve Addition Equations<br>• Write and Solve Multiplication Equations<br>• Understand Inequalities<br>• Write and Solve Inequalities |

# 6 Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|
| **Week 5: Geometry and Measurement*** | | | | |
| • Unit 4, Lesson 22: Area of Polygons (Day 4)<br>• Unit 4, Lesson 23: Polygons in the Coordinate Plane (Day 4)<br>• Unit 4, Lesson 24: Nets and Surface Area (Day 4)<br>• Unit 4, Lesson 25: Volume (Day 4) | **Unit 4**<br>Lessons 22–25 | • Parallelogram Area Puzzle<br>• The Greatest Distance<br>• Match Nets with Shapes and Surface Area<br>• Match Volume Cards | • Find the Area of Plane Figures<br>• Graph Points and Polygons<br>• Surface Area and Nets<br>• Solve Problems in Geometry<br>• Volume of Right Rectangular Prisms | • Find the Area of Parallelograms<br>• Find the Area of Triangles<br>• Find the Area of Polygons<br>• Use Nets to Find Surface Area |
| **Week 6: Statistics and Probability*** | | | | |
| • Unit 5, Lesson 26: *Understand* Statistical Questions (Day 3)<br>• Unit 5, Lesson 27: Measures of Center and Variability (Day 2)<br>• Unit 5, Lesson 27: Measures of Center and Variability (Day 3)<br>• Unit 5, Lesson 27: Measures of Center and Variability (Day 4)<br>• Unit 5, Lesson 28: Display Data on Dot Plots, Histograms, and Box Plots (Day 4) | **Unit 5**<br>Lessons 26–28 | • Match Questions and Distributions<br>• Find the Box Plot<br>• Use Vocabulary for Data Distributions | • Understanding Statistical Questions<br>• Measures of Center<br>• Dot Plots, Histograms, and Box Plots | • Understand Statistical Questions<br>• Mean and Mean Absolute Deviation<br>• Medians and Quartiles<br>• Dot Plots<br>• Box Plots |

*Weeks 5 and 6 are optional.*

# 7 Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|
| **Week 1: Proportionality** | | | | |
| • Unit 2, Lesson 9: Ratios Involving Complex Fractions (Day 2)<br>• Unit 2, Lesson 10: *Understand* Proportional Relationships (Day 2)<br>• Unit 2, Lesson 10: *Understand* Proportional Relationships (Day 3)<br>• Unit 2, Lesson 11: Equations for Proportional Relationships (Day 2)<br>• Unit 2, Lesson 11: Equations for Proportional Relationships (Day 3) | **Unit 2**<br>Lessons 9–11 | • Use Vocabulary for Unit Rates and Fractions<br>• Proportion Tic Tac Toe<br>• Proportional Relationships Go Fish | • Divide Positive and Negative Rational Numbers<br>• Fractions, Division, and Unit Rates<br>• Identifying Proportional Relationships | • Unit Rates for Ratios with Fractions, Part 1<br>• Unit Rates for Ratios with Fractions, Part 2<br>• Understand Proportional Relationships<br>• Write Equations for Proportional Relationships |
| **Week 2: The Number System** | | | | |
| • Unit 1, Lesson 3: Add and Subtract Positive and Negative Integers (Day 4)<br>• Unit 1, Lesson 3: Add and Subtract Positive and Negative Integers (Day 5)<br>• Unit 1, Lesson 4: Multiply and Divide Positive and Negative Integers (Day 2)<br>• Unit 1, Lesson 4: Multiply and Divide Positive and Negative Integers (Day 3)<br>• Unit 1, Lesson 4: Multiply and Divide Positive and Negative Integers (Day 4) | **Unit 1**<br>Lessons 3, 4 | • Mixing Chemicals: Addition with Negative Numbers<br>• Ocean Addition and Subtraction<br>• Around the Square: Multiplication with Integers<br>• First Five Equations: Multiplication and Division | • Subtract Positive and Negative Rational Numbers<br>• Add Positive and Negative Rational Numbers<br>• Multiply Positive and Negative Rational Numbers<br>• Divide Positive and Negative Rational Numbers | • Strategies to Add and Subtract Integers<br>• Multiply Integers<br>• Divide Integers |

# 7 Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|
| **Week 3: Expressions and Equations** | | | | |
| • Unit 3, Lesson 14: Equivalent Linear Expressions (Day 3)<br>• Unit 3, Lesson 15: Writing Linear Expressions (Day 2)<br>• Unit 3, Lesson 16: Solve Problems with Equations (Day 1)<br>• Unit 3, Lesson 16: Solve Problems with Equations (Day 2)<br>• Unit 3, Lesson 16: Solve Problems with Equations (Day 3) | **Unit 3**<br>Lessons 14–16 | • Situation Match Up<br>• Match the Expression<br>• Write and Solve Algebraic Equations<br>• Use Vocabulary for Solving One-Variable Equations | • Write Equivalent Linear Expressions<br>• Analyze Relationships in Equivalent Expressions<br>• Write Equations to Solve Problems | • Equivalent Linear Expressions<br>• Reasons for Equivalent Linear Expressions<br>• Understand Multi-Step Equations<br>• Solve Multi-Step Equations, Part 1<br>• Solve Multi-Step Equations, Part 2<br>• Write and Solve Multi-Step Equations |
| **Week 4: Inequalities and Percents** | | | | |
| • Unit 3, Lesson 16: Solve Problems with Equations (Day 4)<br>• Unit 3, Lesson 17: Solve Problems with Inequalities (Day 1)<br>• Unit 3, Lesson 17: Solve Problems with Inequalities (Day 2)<br>• Unit 3, Lesson 17: Solve Problems with Inequalities (Day 3)<br>• Unit 3, Lesson 17: Solve Problems with Inequalities (Day 5) | **Unit 3**<br>Lessons 16, 17 | • Write and Solve Algebraic Equations<br>• Use Vocabulary for Solving One-Variable Equations<br>• Inequality Bingo | • Write Equations to Solve Problems<br>• Solve and Graph Linear Inequalities | • Write and Solve Multi-Step Equations<br>• Understand Solutions of Inequalities<br>• Solve Inequalities<br>• Solve Problems with Inequalities |

# ⑦ Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|
| **Week 5: Geometry and Measurement\*** | | | | |
| • Unit 4, Lesson 18: Problem Solving with Angles (Day 2)<br>• Unit 4, Lesson 20: Area of Composed Figures (Day 2)<br>• Unit 4, Lesson 21: Area and Circumference of a Circle (Day 2)<br>• Unit 4, Lesson 21: Area and Circumference of a Circle (Day 3)<br>• Unit 4, Lesson 24: Surface Area of Solids (Day 1) | **Unit 4**<br>Lessons 18, 20, 21, 24 | • Use Angle Vocabulary<br>• Using Circle Vocabulary<br>• Match Prisms with Surface Area | • Finding Missing Angle Measures in Triangles<br>• Find the Area of Plane Figures<br>• Relate Pi and the Diameter of a Circle<br>• Volume and Surface Area and Scale Factors | • Understand Angle Relationships<br>• Understand Area and Circumference of a Circle<br>• Area and Surface Area |
| **Week 6: Statistics and Probability\*** | | | | |
| • Unit 5, Lesson 26: *Understand* Random Samples (Day 1)<br>• Unit 5, Lesson 26: *Understand* Random Samples (Day 2)<br>• Unit 5, Lesson 26: *Understand* Random Samples (Day 3) | **Unit 5**<br>Lesson 26 | • Use Vocabulary for Random Sampling | • Random Sampling | • Understand Random Sampling |

*\*Weeks 5 and 6 are optional.*

# 8 Mini Units

| Ready Mathematics Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | i-Ready Lessons |
|---|---|---|---|---|
| **Week 1: Expressions and Equations with Exponents** | | | | |
| • Unit 1, Lesson 1: Properties of Integer Exponents (Day 4)<br>• Unit 1, Lesson 2: Square Roots and Cube Roots (Day 4)<br>• Unit 1, Lesson 3: *Understand* Rational and Irrational Numbers (Day 3)<br>• Unit 1, Lesson 4: Scientific Notation (Day 4)<br>• Unit 1, Lesson 5: Operations and Scientific Notation (Day 4) | **Unit 1**<br>Lessons 1–5 | • Equivalent Exponential Expressions<br>• Expressions with Integer Exponents<br>• Four Square Roots and Cube Roots in a Row<br>• Irrational Go Between<br>• Convert Repeating Decimals<br>• Comparing Quantities with Powers of 10<br>• Use Scientific Notation Vocabulary | • Evaluate Expressions with Integer Exponents<br>• Compare and Estimate with Powers of 10 | • Properties of Positive Integer Exponents, Part 1<br>• Properties of Positive Integer Exponents, Part 2<br>• Properties of Zero and Negative Exponents<br>• Find Square Roots and Cube Roots to Solve Problems |
| **Week 2: Functions** | | | | |
| • Unit 2, Lesson 6: *Understand* Functions (Day 2)<br>• Unit 2, Lesson 7: Compare Functions (Day 4)<br>• Unit 2, Lesson 8: *Understand* Linear Functions (Day 2)<br>• Unit 2, Lesson 9: Analyze Linear Functions (Day 5)<br>• Unit 2, Lesson 10: Graphs of Functional Relationships (Day 4) | **Unit 2**<br>Lessons 6–10 | • Find the Function<br>• Compare Functions<br>• Use Function Vocabulary<br>• Graphs and Stories | • Translate Among Representations of Functions<br>• Compare Slope and Initial Value of Functions<br>• Translate Among Representations of Functions<br>• Compare Graphs of Functions<br>• Building Linear Equations<br>• Linear and Nonlinear Functions<br>• Linear Fractions in Tables and Graphs<br>• Describing Graphs | • Understand Functions<br>• Compare Functions<br>• Linear Functions: Rate of Change and Initial Value<br>• Linear Functions: Model from Two Points<br>• Linear Functions: Model from a Verbal Description |

# 8 Mini Units

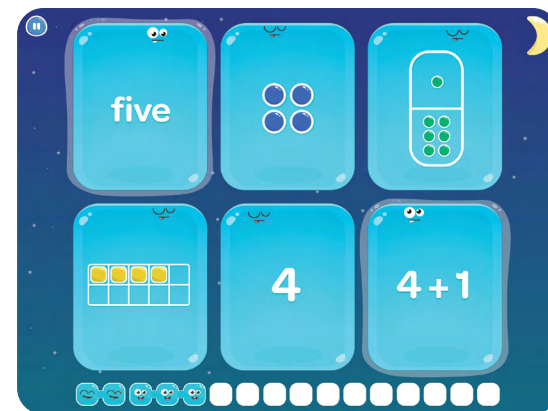| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|
| **Week 3: Proportional Relationships and Slope** | | | | |
| • Unit 3, Lesson 11: Represent Proportional Relationships (Day 4)<br>• Unit 3, Lesson 12: *Understand* the Slope-Intercept Equation for a Line (Day 2)<br>• Unit 3, Lesson 12: *Understand* the Slope-Intercept Equation for a Line (Day 3)<br>• Unit 3, Lesson 13: Solve Linear Equations with Rational Coefficients (Day 3)<br>• Unit 3, Lesson 14: Solutions of Linear Equations (Day 3) | **Unit 3**<br>Lessons 11–14 | • Find the Slope<br>• Use Slope Intercept Vocabulary<br>• Match the Solution<br>• Write an Equation | • Compare Proportional Relationships<br>• Slope and Unit Rate<br>• The Equation of a Line<br>• Solutions of Linear Equations<br>• Solving Linear Equations | • Proportional Relationships and Slope<br>• Derive Linear Equations<br>• Graph Linear Equations<br>• Solve Linear Equations<br>• Number of Solutions for Linear Equations |
| **Week 4: System of Equations** | | | | |
| • Unit 3, Lesson 15: *Understand* Systems of Equations (Day 2)<br>• Unit 3, Lesson 16: Solve Systems of Equations Algebraically (Day 2)<br>• Unit 3, Lesson 16: Solve Systems of Equations Algebraically (Day 3)<br>• Unit 3, Lesson 17: Solve Problems Using Systems of Equations  (Day 2)<br>• Unit 3, Lesson 17: Solve Problems Using Systems of Equations (Day 3) | **Unit 3**<br>Lessons 15–17 | • Make Systems of Equations<br>• Find Four Solutions<br>• Match Scenarios and Systems | • Solving Systems of Equations by Substitution<br>• Solving Real-World Systems of Equations | • Understand Systems of Linear Equations<br>• Graph Systems of Linear Equations<br>• Solve Systems of Linear Equations: Substitution<br>• Solve Systems of Linear Equations: Elimination |

## 8 Mini Units

| *Ready Mathematics* Instructional Resources | Practice and Problem Solving | Center Activities | Tools for Instruction | *i-Ready* Lessons |
|---|---|---|---|---|
| **Week 5: Geometry and Measurement*** | | | | |
| • Unit 4, Lesson 18: *Understand* Properties of Transformations (Day 2)<br>• Unit 4, Lesson 19: Transformations and Congruence (Day 2)<br>• Unit 4, Lesson 20: Transformations and Similarity (Day 3)<br>• Unit 4, Lesson 21: *Understand* Angle Relationships (Day 2)<br>• Unit 4, Lesson 22: *Understand* Angle Relationships in Triangles (Day 2) | **Unit 4**<br>Lessons 18–22 | • Identify Rigid Transformations<br>• Hidden Transformations<br>• Identify Sequences of Transformations<br>• Identify Sequences of Transformations with Dilations<br>• Use Transformation Vocabulary<br>• Identify Pairs of Angles<br>• Similarity Search | • 180° Rotations of Polygons<br>• Transformations and Congruence<br>• Dilation and Similar Figures<br>• Parallel Lines, Transversals, and Angles | • Understand Rigid Transformations<br>• Translations<br>• Reflections<br>• Rotations<br>• Dilations and Similarity<br>• Dilations in the Coordinate Plane<br>• Describe Angle Relationships<br>• Describe Angle Relationships in Triangles |
| **Week 6: Pythagorean Theorem and Volume*** | | | | |
| • Unit 4, Lesson 23: *Understand* the Pythagorean Theorem (Day 2)<br>• Unit 4, Lesson 24: Solve Problems Using the Pythagorean Theorem (Day 4)<br>• Unit 4, Lesson 25: Distance in the Coordinate Plane (Day 3)<br>• Unit 4, Lesson 26: *Understand* Volume of Cylinders, Cones, and Spheres (Day 1)<br>• Unit 4, Lesson 27: Solve Problems with Cylinders, Cones, and Spheres (Day 3) | **Unit 4**<br>Lessons 23–27 | • Use Pythagorean Theorem Vocabulary<br>• Find Pythagorean Triples<br>• Use Volume Vocabulary for Cylinders, Cones, and Spheres | • Use the Pythagorean Theorem to Find Distance<br>• Volume of a Cone | N/A |

*Weeks 5 and 6 are optional.

# Getting to Know the Games

In the Learning Games suite, specific games are available to students based on their chronological grade level. Students start with two to three games to focus their attention and ensure quality gameplay. Additional games are available to students in later gameplay sessions.

Within most games, students can choose from levels of difficulty that are "just right" for them based on their most recent performance on the Diagnostic for Mathematics or their previous performance in the games. Students given access to Learning Games by an account administrator before completing a Diagnostic will see game levels filtered by their chronological grade, and levels will be adjusted once students complete a Diagnostic. Adaptivity within the games meets students where they are and provides challenge, scaffolding, and feedback to build skills and advance levels.

## Game Focus and Availability by Grade Level

| Games | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| **Hungry Guppy \|** Early number sense and addition | ✓ | ✓ | ✓ | | | | | | |
| **Hungry Fish \|** Addition, subtraction, and rational number operations fluency | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Zoom \|** World's most interactive number line | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Bounce \|** Integer and fraction estimation, negative rational numbers, and absolute values on a number line | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Match \|** Basic numbers, addition, subtraction, multiplication, division, fractions, rational numbers, and ratios | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Pizza \|** Mental math, economics, and proportions | | | ✓ | ✓ | ✓ | ✓ | | | |
| **Cupcake \|** Word problems, real-world economics, proportions, ratios, rates, and coordintate planes | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Cloud Machine \|** Visual and symbolic fractions | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

*Learning Games are available to students with* i-Ready Personalized Instruction *for Mathematics, at district discretion*

# Contact Information

**Math.ReadyCentral.com**

24/7 access to self-service support, including tutorial videos, how tos, planning tools, and tips

**Technical Support**

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*(Mon.–Thurs. 8:30 a.m.–6 p.m.;
Fri. 8:30 a.m.–5 p.m. ET)*

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