\&i-Ready Classroom Mathematics

## Guidance for Summer Learning

## Use i-Ready Classroom Mathematics as Part of Your Summer Learning Program

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

- Weeks 1-4: Concentrate on major content area lessons and content that is most critical for each particular grade.
- Weeks 5-6: 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 i-Ready Classroom Mathematics!

## Lesson Lists

Grade K Mini Units ..... 3
Grade 1 Mini Units ..... 5
Grade 2 Mini Units ..... 8
Grade 3 Mini Units ..... 10
Grade 4 Mini Units ..... 13
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Grade 6 Mini Units ..... 19
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## Mini Units

## i-Ready Classroom Mathematics Instructional Resources

## Week 1: Make 6, 7, 8, and 9

- Unit 5, Lesson 18: Compose and Decompose 6 and 7 (Session 2)
- Unit 5, Lesson 18: Compose and Decompose 6 and 7 (Session 3)
- Unit 5, Lesson 19: Compose and Decompose 8 and 9 (Session 2)
- Unit 5, Lesson 19: Compose and Decompose 8 and 9 (Session 3)
- Unit 5, Lesson 19: Compose and Decompose 8 and 9 (Session 4)


## Week 2: Add and Subtract Within 10

- Unit 6, Lesson 20: Add Within 10 (Session 2)
- Unit 6, Lesson 20: Add Within 10 (Session 3)
- Unit 6, Lesson 21: Subtract Within 10 (Session 2)
- Unit 6, Lesson 21: Subtract Within 10 (Session 3)
- Unit 6, Lesson 22: Add and Subtract to Solve Word Problems (Session 4)


## Week 3: Teen Numbers

- Unit 5, Lesson 16: Count, Read, and Write Numbers 11 to 20 (Session 3)
- Unit 7, Lesson 23: Compose and Decompose Teen Numbers with Tools and Drawings (Session 2
- Unit 7, Lesson 23: Compose and Decompose Teen Numbers with Tools and Drawings (Session 3)
- Unit 7, Lesson 25: Compose and Decompose Teen Numbers with Symbols (Session 2)
- Unit 7, Lesson 25: Compose and Decompose Teen Numbers with Symbols (Session 3)


## Learning Games

- Hungry Guppy
- Hungry Fish

Compose and
Decompose 6 and 7

## Interactive Practice

## Learning Activities

- Fish to Make Numbers
- Show the Number


## Tools for Instruction

- Make 6, 7, 8, and 9
- Sort Addition Fact

Subtract Numbers Less Than 10

- Teen Number Vocabulary
Pick and Write
- Roll and Make Teen Numbers

Composing Teen Numbers

- Read, Write, and Show Numbers 11-20
- Make a Set Up to 20 Objects


## i-Ready Lessons

- Number Partners for 6 and 7

Number Partners for 8 and 9

- Add Within 10

Subtract Within 10

- Explore Teen Numbers
- Count Up to 20 Objects
- Make Groups of Up to 20 Objects


## Mini Units

## i-Ready Classroom Mathematics <br> Instructional Resources

## Week 4: Count to 100

- Unit 5, Lesson 17: Count Within 100 (Session 1)
- Unit 5, Lesson 17: Count Within 100 (Session 2)
- Unit 5, Lesson 17: Count Within 100 (Session 3)
- Unit 5, Lesson 17: Count Within 100 (Session 4)
- Unit 5, Lesson 17: Count Within 100 (Session 5)


## *Week 5: Make 10/Practice Facts to 5

- Unit 3, Lesson 10: Add and Subtract Within 5 (Session 3)
- Unit 4, Lesson 14: Compose and Decompose 10 (Session 2)
- Unit 4, Lesson 14: Compose and Decompose 10 (Session 3)
- Unit 4, Lesson 15: Find Number Partners for 10 (Session 2)
- Unit 4, Lesson 15: Find Number Partners for 10 (Session 3)


## *Week 6: Sort Objects/Shapes

- Unit 1, Lesson 3: Sort and Count Objects (Session 3)
- Unit 2, Lesson 6: Three-Dimensional Shapes and Weight (Session 2)
- Unit 3, Lesson 8: Two-Dimensional Shapes (Session 1)
- Unit 3, Lesson 8: Two-Dimensional Shapes (Session 2)
- Unit 7, Lesson 24: Build With Shapes (Session 4)


## Learning Games

| • Hungry | Count Within |
| :--- | :--- |
| Guppy |  |
| - Zoom | 100 |
|  |  |
|  |  |

## - Hungry

Guppy

- Hungry Fish
- Match


## Interactive Practice

- Compose and
Decompose 10
- Find Number Partners for 10
- Make 10
- Draw to Make 10
- 5 Beans
- Count by Ten
- Tens Bingo
- Count by Ones Vocabulary
- Keep Counting


## Learning

 Activities- Count by 10 s
- Totals of 10
- Adding and Subtracting Numbers Within 5
- Find Missing Partners for Totals of 10


## - Sort Objects

- Look for Attributes
- I Spy Shapes
- Is It Flat or Solid?
- Match and Name Shapes
- Find and Tell
- Alike and Different
- Sorting in Two Ways
- Flat Shapes and Solid Shapes
- Describing and Comparing Shapes by Attributes


## i-Ready Lessons

- Order Numbers to 10
- Order Numbers to 20
- Fluently Add and Subtract Within 5
- Make 10
- Number Partners for 10

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## i-Ready Classroom Mathematics Instructional Resources

## Learning Interactive Games

## Learning Activities

## i-Ready

 Lessons
## Week 1: Add and Subtract Within 10

- Unit 1, Lesson 1: Number Partners for 10 (Session 2)
- Unit 1, Lesson 2: Add and Subtract Within 10 (Session 2)
- Unit 1, Lesson 2: Add and Subtract Within 10 (Session 3)
- Unit 1, Lesson 3: Use Counting Strategies to Add and Subtract (Session 4)
- Unit 1, Lesson 4: Use Addition to Subtract (Session 3)
- Hungry

Guppy

- Hungry

Fish

- Match
- Number Partners for 10
- Use

Counting Strategies to Add and Subtract

- Partners for 6 and 7
- Addition to 7
- Number Bonds for 8 and 9
- Cube Trains for 8 and 9
- Match to Make 10
- Counting on Cube Trains
- Find Missing Numbers
- Addition and Subtraction Word Problems Within 10
- Count to Add or Subtract
- Ways to Make Ten
- Make a Ten to Add Numbers Within 20
- Use 10
- Strategies to Add Three Numbers
- Three Addends
- Partners for Teen Numbers
- Make a Ten to Add Within 20
- Use Strategies to Add Three Numbers
- Subtraction Within 20
- Add in Any Order
- Count On to Add
- Use Addition to Subtract
- Count On to Subtract
- Fluently Add and Subtract Within 10
- Make a Ten to Add
- Make a Ten to Subtract
- Add Three Numbers in Word Problems


## i-Ready Classroom Mathematics Instructional Resources

## Learning Games

## Interactive Practice

## Learning Activities

## Tools for Instruction

## i-Ready Lessons

## Week 3: Tens and Ones

- Unit 4, Lesson 15: Tens and Ones (Session 2)
- Unit 4, Lesson 16: Numbers to 120 (Session 2)
- Unit 4, Lesson 16: Numbers to 120 (Session 3)
- Hungry

Fish

- Match
- Tens and Ones
- Numbers to 120
- Add and Subtract Tens
- Add and Subtract Tens Match
- Subtract Tens Bingo
- Use Vocabulary for Ten More, Ten Less
- Ten More, Ten Less
- Add Tens to a Number
- Add and Subtract 10s Match
- Subtract 10s Bingo
- 10 More, 10 Less
- Groups of Ten
- Tens and Ones Match
- Using Tens and Ones
- Identify Two-Digit Numbers
- Build Two-Digit Numbers
- Order Numbers to 120
- Add Multiples of Ten to Multiples of Ten
- Subtract Multiples of Ten from Multiples of Ten
- Add Multiples of Ten to Any TwoDigit Number


## Week 4: Add Tens and Ones

- Unit 5, Lesson 19: Addition with Two-Digit Numbers (Session 3)
- Unit 5, Lesson 20: Add Two-Digit and One-Digit Numbers (Session 2)
- Unit 5, Lesson 20: Add Two-Digit and One-Digit Numbers (Session 3)
- Unit 5, Lesson 21: Add Two-Digit Numbers (Session 2)
- Unit 5, Lesson 21: Add Two-Digit Numbers (Session 3)
- Hungry Fish
- Match
- Add Two-

Digit and One-Digit Numbers

- Add

Two-Digit
Numbers

- Race To...
- Add and Regroup
- Add Two- and One-Digit Numbers
- Add Two-Digit Numbers Without Regrouping
- Two-Digit Addition with Regrouping
- Add Two-Digit and One-Digit Numbers
- Add More TwoDigit and OneDigit Numbers
- Add Two-Digit Numbers
- Add More TwoDigit Numbers


## i-Ready Classroom Mathematics Instructional Resources

## *Week 5: Shapes and Length

- Unit 6, Lesson 22: Shapes (Session 2)
- Unit 6, Lesson 22: Shapes (Session 3)
- Unit 6, Lesson 23: Break Shapes Into Equal Parts (Session 2)
- Unit 6, Lesson 23: Break Shapes Into Equal Parts (Session 3)
- Unit 6, Lesson 26: Measure Length (Session 2)


## Learning

 Games
## Interactive

 Practice
## Learning

 Activities
## Tools for Instruction

## i-Ready

Lessons

- Shapes
- Break Shapes into Equal Parts
- Draw Two Shapes
- Shape Attributes
- Shape Match
- Put Shapes

Together

- Parts of Shapes Match
- Draw to Show Parts
- Measure Length with Objects
- Measure the Path


## *Week 6: Data and Time

- Unit 3, Lesson 13: Collect and Compare Data (Session 2)
- Unit 3, Lesson 13: Collect and Compare Data (Session 3)
- Unit 3, Lesson 13: Collect and Compare Data (Session 4)
- Unit 6, Lesson 24: Tell Time (Session 2)
- Unit 6, Lesson 24: Tell Time (Session 3)
*Weeks 5 and 6 are optional.


## i-Ready Classroom Mathematics <br> Instructional Resources

## Learning Interactive Games

## Center

 ActivitiesTools for Instruction

## i-Ready Lessons

## Week 1: Add and Subtract Two-Digit Numbers

- Unit 2, Lesson 6: Add Two-Digit Numbers (Session 2)*
- Unit 2, Lesson 6: Add Two-Digit Numbers (Session 3)*
- Unit 2, Lesson 7: Subtract Two-Digit Numbers (Session 1)
- Unit 2, Lesson 7: Subtract Two-Digit Numbers (Session 2)*
- Hungry

Fish

- Match
- Cupcake
- Pizza
- Add Two-Digit Numbers
- Subtract Two-Digit Numbers
- 100 or Not!
- Add and Subtract Within 100
- Solve a Subtraction Equation
- Two-Digit Addition with Regrouping
- Finding 10 More and 10 Less
- And Two- and One-Digit Numbers
- Two-Digit Subtraction
- Add and Subtract Tens
- Add by Breaking Apart Two Digit Numbers
- Add Within 100 on Number Lines, Part 1
- Add Within 100 on Number Lines, Part 2
- Subtract Within 100 on Number Lines
- Add to Subtract Within 100 on Number Lines, Part 1
- Add to Subtract Within 100 on Number Lines, Part 2


## Week 2: Word Problems with Two-Digit Numbers

- Unit 2, Lesson 9: Solve Word Problems with Two-Digit Numbers (Session 1)
- Unit 2, Lesson 9: Solve Word Problems with Two-Digit Numbers (Session 2)*
- Unit 2, Lesson 9: Solve Word Problems with Two-Digit Numbers (Session 3)*
- Unit 2, Lesson 9: Solve Word Problems with Two-Digit Numbers (Session 4)*
- Unit 2, Lesson 9: Solve Word Problems with Two-Digit Numbers (Session 5)
- Cupcake
- Pizza

N/A

- Word Problem Race
- Solve Subtraction Word Problems
- Solve Word Problems with Totals to 20
- Solve One-Step Addition and Subtraction Word Problems
- Two-Digit Addition and Subtraction

Add Three-Digit Numbers

- Add 10 or 100 to a Three-Digit Number
- Use Addition Strategies to Solve
- Add Three-Digit Numbers
- Two-Digit Addition with Regrouping
- Model Three-Digit Numbers
- Add and Subtracting 10 or 100
- Add Three-Digit and TwoDigit Numbers
- Add Three-Digit Numbers
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## i-Ready Classroom Mathematics <br> Instructional Resources

## Learning Interactive <br> Games <br> Practice

## Center Activities

## Tools for Instruction

## Week 4: Subtract Three-Digit Numbers

- Unit 3, Lesson 17: Subtract Three-Digit Numbers (Session 1)
- Unit 3, Lesson 17: Subtract Three-Digit Numbers (Session 2)*
- Unit 3, Lesson 17: Subtract Three-Digit Numbers (Session 3)*
- Unit 3, Lesson 17: Subtract Three-Digit Numbers (Session 4)
- Unit 3, Lesson 17: Subtract Three-Digit Numbers (Session 5)

Subtract Three-Digit Numbers

- Subtract Three Digit Numbers
- Subtract 10 or 100 from a Number
- Use Subtraction Strategies to Solve
- Subtract Three-Digit Numbers
- Model Three-Digit Numbers
- Adding and Subtracting 10 or 100
- Add Three-Digit Numbers
- Find the Value or Coins and Bills
- Make Change
- Tell Time Vocabulary
- Tell Time from Analog and Digital Clocks
- Problem Solving: Money Amounts
- Two-Digit Addition and Subtraction
- Solve Subtraction Word Problems
- Tell Time to the Nearest Five Minutes
- Tell Time to the Hour and Half-Hour
- Subtract Two-Digit from Three-Digit Numbers
- Subtract Three-Digit Numbers
- Measure in Feet and Meters
- Compare Lengths
- Measuring Length
- Measure in Inches and Centimeters
- Measuring with Different Units
- Measure Lengths in Inches
- Measure Lengths in Centimeters
- Estimate Lengths in Inches
- Estimate Lengths in Centimeters
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**Weeks 5 and 6 are optional.


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## i-Ready Classroom Mathematics Instructional Resources

## Interactive Practice

## Center Activities

## Tools for Instruction

## Week 1: Add and Subtract Three-Digit Numbers

- Unit 1, Lesson 2: Add Three-Digit Numbers (Session 2)*
- Hungry Fish
- Unit 1, Lesson 3: Subtract Three-Digit Numbers (Session 2)*
- Unit 1, Lesson 3: Subtract Three-Digit Numbers (Session 3)*
- Unit 1, Lesson 3: Subtract Three-Digit Numbers (Session 4)*
- Add Three-Digit Numbers
- Subtract Three-Digit Numbers
- Model Addition
- Add Within 1000
- Model

Subtraction
Subtract Within 1000

## Week 2: Multiplication

- Unit 2, Lesson 4: Understand the Meaning of Multiplication (Session 3)
- Unit 2, Lesson 8: Use Order and Grouping to Multiply (Session 2)*
- Unit 2, Lesson 8: Use Order and Grouping to Multiply (Session 3)*
- Unit 2, Lesson 8: Use Order and Grouping to Multiply (Session 4)*
- Unit 2, Lesson 9: Use Place Value to Multiply (Session 1)
- Match
- Cupcake
- Pizza

Use Order and Grouping to Multiply

- Multiplication Vocabulary Match
- Multiplication Stories
- Multiply Three Numbers
- Multiply Multiples of 10
- Match the Product

Three-Digit Addition

- Two-Digit Addition with Regrouping
- Adding and Subtracting 10 or 100
- Add Three-Digit Numbers
- Three-Digit Subtraction

Two-Digit Subtraction

- Subtract Three-Digit Numbers
- Multiplication Concepts and Equations
- Adding Using Arrays
- Identify Even and Odd Numbers
- Use Order and Grouping to Multiply
- Multiplication Facts with 0, 1, 2 , 5, and 10
- Multiplication Facts with 3,4 and 6
- Use Place Value to Multiply
- Model Three-Digit Numbers
- Add Three-Digit Numbers
- Subtract Three-Digit Numbers
- Add Within 1,000 on Number Lines
- Subtract Within 1,000 on Number Lines
- Understand Multiplication, Part 1
- Understand Multiplication, Part 2
- Use Order and Grouping to Multiply
- Break Apart a Number to Multiply, Part 1
- Break Apart a Number to Multiply, Part 2
- Multiply by Multiples of 10


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## i-Ready Classroom Mathematics Instructional Resources

## Interactive Practice

## Center Activities

## Tools for Instruction

- Relate Multiplication and Division
- Add Using Arrays
- Multiplication Concepts and Equations
- Solve Problems Involving Equal Shares
- Write Multiplication and Division Facts
- Multiplication Facts with 0, 1, 2, 5, and 10
- Multiplication Facts with 3,4, and 6
- Multiply and Divide to Solve OneStep Word Problems
- Solve One-Step Addition and Subtraction Word Problems
- Write Multiplication and Division Facts
- Solve Two-Step Word Problems
- Solve Subtraction Word Problems
- Understand Division Part 1
- Understand Division Part 2
- Multiplication Word Problems, Part 1
- Multiplication Word Problems, Part 2
- Word Problems Involving Length and Money
- Division Word Problems, Part
- Division Word Problems, Part 2


## - Find Equivalent Fractions

- Make Equal Shares
- Modeling Fractions
- Equivalent Fractions
- Understand Comparing Fractions

Fractions on a Number Line

- Understand Equivalen Fractions
- Understand Comparing Fractions


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## i-Ready Classroom Mathematics Instructional Resources

## **Week 5: Area and Perimeter

- Unit 3, Lesson 15: Multiply to Find Area (Session 3)*

N/A

- Unit 3, Lesson 15: Multiply to Find Area (Session 4)
- Unit 3, Lesson 16: Add Areas (Session 3)*
- Unit 3, Lesson 16: Add Areas (Session 4)
- Unit 5, Lesson 32: Area and Perimeter of Shapes (Session 5)


## Learning Games

Interactive Practice

## Center

 ActivitiesMultiply to Find Area

- Fill a Rectangle with Squares
- Multiplication Concepts and Equations
- Finding Area
- Add Areas
- Solve Length Word Problems
- Relating Area and Perimeter
- Measure in Feet and Meters
- Area Problems
- Decompose to Find Area
- Use Perimeter an Area Vocabulary
- Work with Perimeter Find Area
- Add Areas
- Area and Perimeter of Shapes


## **Week 6: Shapes

- Unit 6, Lesson 30: Understand Categories of Shapes (Session 2)*
- Unit 6, Lesson 30: Understand Categories of Shapes (Session 3)
- Unit 6, Lesson 31: Classify Quadrilaterals (Session 2)*
- Unit 6, Lesson 31: Classify Quadrilaterals (Session 3)*
- Unit 6, Lesson 31: Classify Quadrilaterals (Session 4)
*Develop Session Video available.
**Weeks 5 and 6 are optional.
- Categories of Shapes
- Defining Attributes of Shapes
- Draw and Describe Shapes
- Categories of Plane Figures
- Understand Categories of Shapes
- Classify and Compare Quadrilaterals
- Geometry Vocabulary Match
- Quadrilaterals

N/A

## i-Ready Classroom Mathematics Instructional Resources

## Learning

 Games
## Interactive

 Practice
## Center Activities

## i-Ready

 Lessons
## Week 1: Addition and Subtraction

- Unit 1, Lesson 1: Understand Place Value (Session 3)
- Unit 1, Lesson 3: Round Whole Numbers (Session 2)*
- Unit 1, Lesson 3: Round Whole Numbers (Session 3)
- Unit 1, Lesson 4: Add Whole Numbers (Session 3)*
- Unit 1, Lesson 5: Subtract Whole Numbers (Session 3)*
- Zoom
- Hungry Fish
- Match
- Pizza
- Understand Place Value
- Add Whole Numbers
- Subtract Whole Numbers
- The Value of a Digit
- Expanded Form and Place Value
- Rounding Whole Numbers
- Rounding to the Same Number
- Add Whole Numbers
- Find Sums
- Find Differences
- Subtract Whole Numbers
- Multiples and Factors
- Multiply by One-Digit Numbers
- Use Multiplication Vocabulary
- Using Factors and Multiples
- Multiplying by One-Digit Numbers
- Place Value in Multi-Digit Whole Numbers
- Read and Write Three-Digit Numbers
- Compare and Order Three-Digit Numbers
- Rounding to the Nearest Ten or Hundred
- Round Multi-Digit Numbers
- Compare Multi-Digit Numbers
- Add Multi-Digit Numbers
- Add Three-Digit Numbers
- Three-Digit Addition
- Place Value in Multi-Digit Whole Numbers
- Subtract Multi-Digit Numbers
- Three-Digit Subtraction
- Factors
- Multiplication Facts with $0,1,2,5$, and 10
- Multiplication Facts with 3, 4, and 6
- Write Multiplication and Division Facts
- Multiplying by One-Digit Numbers
- Use Order and Grouping to Multiply
- Use Place Value to Multiply
- Place Value, Part 1
- Place Value, Part 2
- Round Whole Numbers
- Add Whole Numbers
- Subtract Whole Numbers


## Week 2: Multiplication

- Unit 2, Lesson 8: Multiples and Factors (Session 2)*
- Unit 2, Lesson 8: Multiples and Factors (Session 3)*
- Unit 2, Lesson 8: Multiples and Factors (Session 5)

Unit 3, Lesson 11: Multiply by One-Digit Numbers (Session 2)*

- Unit 3, Lesson 11: Multiply by One-Digit Numbers (Session 3)*


## Tools for Instruction

## *Develop Session Video available.

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## i-Ready Classroom Mathematics <br> Instructional Resources

## Interactive

 Practice
## Center

 Activities
## Tools for Instruction

## i-Ready

Lessons

## Week 3: Division

- Unit 3, Lesson 14: Divide Three-Digit Numbers (Session 2)*
- Unit 3, Lesson 14: Divide Three-Digit Numbers (Session 3)*
- Unit 3, Lesson 14: Divide Three-Digit Numbers (Session 4)
- Unit 3, Lesson 15: Divide Four-Digit Numbers (Session 2)*
- Unit 3, Lesson 15: Divide Four-Digit Numbers (Session 3)


## Week 4: Fractions and Decimals

- Unit 4, Lesson 20: Add and Subtract Fractions (Session 4)*
- Unit 4, Lesson 20: Add and Subtract Fractions (Session 5)
- Unit 4, Lesson 24: Multiply Fractions by Whole Numbers (Session 2)*
- Unit 4, Lesson 24: Multiply Fractions by Whole Numbers (Session 3)
- Unit 4, Lesson 27: Compare Decimals (Session 3)*

N/A

- Divide Three-Digit Numbers
- Divide Four-Digit Numbers
- Dividing by One-Digit Numbers
- Division Methods
- Divide Three-Digit by One-Digit Numbers
- Solve Problems Involving Equal Shares
- Relate Multiplication and Division
- Multiply by One-Digit Numbers
- Divide Four-Digit by One-Digit Numbers
- Divide Three-Digit by One-Digit Numbers
- Add and Subtract Fractions
- Modeling Fractions
- Fractions on a Number Line
- Understand Fraction Addition and Subtraction
- Multiply a Whole Number and a Fraction
- Multiply and Divide to Solve OneStep Word Problems
- Understand Fraction Multiplication
- Compare Decimals to Hundredths
- Compare Fractions
- Add Tenths and Hundredths
- Write Fractions as Decimals
- Divide Whole Numbers, Part 1
- Divide Whole Numbers, Part 2
- Add Fractions with Like Denominators
- Subtract Fractions with Like Denominators
- Multiply a Unit Fraction by a Whole Number
- Multiply a Fraction by a Whole Number
- Compare Decimals


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## i-Ready Classroom Mathematics Instructional Resources

## Learning Games

## Interactive Practice

## Center Activities

## Tools for Instruction

## i-Ready <br> Lessons

## **Week 5: Angles and Shapes

- Unit 5, Lesson 30: Points, Lines, Rays, and Angles (Session 3)*
- Unit 5, Lesson 31: Angles (Session 2)*
- Unit 5, Lesson 31: Angles (Session 3)*
- Unit 5, Lesson 33: Classify Two-Dimensional Figures (Session 4)*
- Unit 5, Lesson 33: Classify Two-Dimensional Figures (Session 5)
- Geometry Vocabulary Match
- Drawing for Geometry
- Angle Vocabulary Match
- Angles and Circles
- Measuring Angles
- Drawing Angles
- Triangle Vocabulary Match
- Classifying Shapes
- Rays and Angles
- Draw and Describe Shapes
- Categories of Shapes
- Measure Angles
- Attributes of Shapes
- Categories of Plane Figures
- Identify Points, Lines, and Rays
- Identify Angles
- Measure Angles
- Classify

Quadrilaterals

- Classify Triangles


## **Week 6: Measurement

- Unit 3, Lesson 16: Find Perimeter and Area (Session 2)*
- Unit 3, Lesson 16: Find Perimeter and Area (Session 3)*
- Unit 3, Lesson 16: Find Perimeter and Area (Session 4)
- Unit 4, Lesson 28: Problems about Time and Money (Session 4)
- Unit 4, Lesson 29: Problems about Length, Liquid Volume, and Mass (Session 5)
$\square$
- Use Perimeter and Area Vocabulary
- Perimeter and Area Problems
- Multi-Step Money Problems
- Distance Problems
- Perimeter and Area
- Finding Area
- Multiply to Find Area
- Relating Area and Perimeter
- Solve Measurement Word Problems
- Solve Two-Step Word Problems
- Find Equivalent Measurements
- Write Fractions as Decimals
- Problems about Length, Liquid, Volume, Mass, and Weight
- Write Fractions as Word Problems

N/A

*Develop Session Video available.
**Weeks 5 and 6 are optional.
i-Ready Classroom Mathematics Instructional Resources

## Learning

Games

## Interactive

 Practice
## Center Activities

## i-Ready

 Lessons
## Week 1: Multiply Multi-Digit Numbers and Decimals

- Unit 1, Lesson 4: Multiply Multi-Digit Numbers (Session 1)*
- Unit 1, Lesson 4: Multiply Multi-Digit Numbers (Session 2)*
- Multiply Multi-Digit Numbers
- Use Multiplication Vocabulary
- Equivalent Multiplication Expressions
- Cover Up Multiply
- Decimal Multiplication Slam
- Represent Decimal
Products
- Multiply by Multi-Digit Numbers
- Use Place Value to Multiply
- Multiply by One-Digit Numbers
- Multiply by Two-Digit Numbers
- Multiply a Decimal by a Whole Number
- Place Value in Whole Numbers and Decimals
- Multiply Decimals
- Divide Multi-Digit Numbers
- Multiply One-Digit Numbers
- Divide Three-Digit by One-Digit Numbers
- Divide Four-Digit by One-Digit Numbers
- Divide Decimals
- Place Value in Whole Numbers and Decimals
- Multiply Decimals
- Multiply Whole Numbers
- Multiply a Decimal by a Whole Number
- Multiply a Decimal by a Decimal


## Week 2: Divide Multi-Digit Numbers and Decimals

- Unit 1, Lesson 5: Divide Multi-Digit Numbers (Session 1)
- Divide

Multi-Digit
Numbers

- Unit 1, Lesson 5: Divide Multi-Digit Numbers (Session 3)*
- Unit 3, Lesson 17: Divide Decimals (Session 2)*
- Unit 3, Lesson 17: Divide Decimals (Session 3)*
- Division with Area Models
- Solve Area Problems with Division
- Cover Up Division


## Tools for Instruction

- Divide by TwoDigit Numbers, Part 1
- Divide by TwoDigit Numbers, Part 2
- Divide a Whole Number by a Decimal
- Divide a Decimal by a Decimal
- Divide a Decimal by a Whole Number


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## i-Ready Classroom Mathematics Instructional Resources

Learning Games

## Interactive

Practice

## Center Activities

- Add Decimals
- Subtract Decimals
- Add Fractions
- Subtract Fractions
- Decimal Addition Match
- Decimal Subtraction Match
- Fraction Addition: True or False!
- Fraction Subtraction: True or False!
- Add Decimals
- Add Multi-Digit Numbers
- Place Value in Whole Numbers and Decimals
- Read and Write Decimals to the Thousandths
- Subtract Decimals
- Subtract Multi-Digit Numbers
- Add Fractions with Unlike Denominators
- Equivalent Fractions
- Add and Subtract Fractions
- Add and Subtract Mixed Numbers
- Subtract Fractions and Mixed Numbers with Unlike Denominators
- Fractions as Quotients
- Relate Situations to Fractional Quotients
- Tile Dimensions
- QuotientsGreater Than 1 or Less Than 1?
- Interpreting Fractions as Division
- Solve Problems
- Involving Equal Shares
- Understand Fraction Multiplication
- Multiply a Whole Number and a Fraction
- Multiply Fractions
- Multiply to Find Area
- Dividing with Unit Fractions
- Relate Multiplication and Division
- Add Decimals
- Subtract Decimals
- Add Fractions with Unlike Denominators
- Add Mixed Numbers with Unlike Denominators
- Subtract Fractions with Unlike Denominators
- Subtract Mixed Numbers with Unlike Denominators
- Understand Fractions as Division
- Multiply a Unit Fraction by a Unit Fraction
- Multiply a Fraction by a Fraction
- Divide a Whole Number by a Unit Fraction
- Divide a Unit Fraction by a Whole Number


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## i-Ready Classroom Mathematics Instructional Resources

## Learning

 Games
## Interactive

Practice

## Center Activities

## Tools for Instruction

- Calculate Volume
- Perimeter and Area
- Volume Concept
- Measure Volume
- Less Than, Equal To, Greater Than
- Make It True
- Write a Numerical Expression
- Find the Expression
- Use Number Sequence Vocabulary
- Plot Points

[^1]**Weeks 5 and 6 are optional.

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## i-Ready Classroom Mathematics Instructional Resources

 Games

Interactive Practice*

Center Activities

Tools for Instruction

## Week 1: Ratio Reasoning: Unit Rates and Percents

- Unit 4, Lesson 16: Use Unit Rates to Solve Problems (Session 2)*
- Unit 4, Lesson 16: Use Unit Rates to Solve Problems (Session 3)*
- Unit 4, Lesson 16: Use Unit Rates to Solve Problems (Session 4)*
- Unit 4, Lesson 18: Use Percents to Solve Problems (Session 2)*
- Unit 4, Lesson 18: Use Percents to Solve Problems (Session 3)*
- Match

Use Unit
Rates to Solve Problems

- Use

Percents to Solve Problems

- Find Greatest Common Factor and Least Common Multiple
- Add, Subtract, and Multiply Multi-Digit Decimals
- Divide Whole Number and Multi-Digit Decimals
- Divide Fractions
- Use Ratio and Rate Vocabulary
- Percent 4-in-a-Row
- Find GCF and LCM
- Number

Tiles:
Compute with
Decimals

- Card Fill Up: Decimal Division
- Use Fraction Division Vocabulary
- Find the Least Common Multiple
- Find the Greatest Common Factor
- Factors
- Write and Evaluate Expressions with Grouping Symbols
- Multiply Multi-Digit Decimals
- Add Decimals
- Subtract Decimals
- Multiply Decimals
- Divide Multi-Digit Numbers
- Place Value in Whole Number and Decimals
- Divide Decimals

Divide Fractions

- Dividing Unit Fractions
- Dividing Unit Fractions to Solve Word Problems
- Understand Division with Fractions
- Solve Problems with Ratios and Unit Rates
- Solve Problems with Measurement Conversions
- Solve Problems with Percent

Greatest Common Factor (GCF)

- Least Common Multiple (LCM)
- Understand the Standard Algorithm for Division
- Divide Whole Numbers Using the Standard Algorithm
- Divide Decimals Using the Standard Algorithm
- Divide Fractions: Whole-Number Quotients
- Divide Fractions: Fractional Quotients
- Divide Fractions: Use an Algorithm
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## i-Ready Classroom Mathematics Instructional Resources

## Learning Games <br> Interactive Practice

Center Activities

## Tools for Instruction

i-Ready Lessons

- Order Positive and Negative Numbers
- Understand the FourQuadrant Coordinate Plane
Distance in the Coordinate Plane


## Week 4: Expressions and Equations

- Unit 1, Lesson 5: Write and Evaluate Expressions with Exponents (Session 2)*
- Unit 1, Lesson 5: Write and Evaluate Expressions with Exponents (Session 3)*
- Unit 5, Lesson 19: Write and Identify Equivalent Expressions (Session 4)*
- Unit 5, Lesson 21: Write and Solve One-Variable Equations (Session 4)*
- Unit 6, Lesson 26: Write and Graph One-Variable Inequalities (Session 5)
- Write and Evaluate Expressions with Exponents
- Write and Identify Equivalent Expressions
- Write and Solve OneVariable Equations
- Write and Graph OneVariable Inequalities
- Evaluate Expressions with Exponents
- Match Expressions
- Equation Writing
- High-Point Inequalities
- Evaluate Expressions Containing Exponents
- Powers of Ten
- Write and Evaluate Expressions with Grouping Symbols
- Evaluate Variable Expressions

Write Equivalent Expressions

- Find the Least Common Multiple

Find the Greatest Common Factor

- Solve Equations
- Test Solutions of Equations
- Represent Inequalities on Number Lines
- Understand Positive and Negative Numbers
- Compare Positive and Negative Rational Numbers
- Understand and Apply Absolute Value
- Numerical Expressions with Exponents
- Algebraic Expressions with Exponents
- Equivalent Expressions \& the Distributive Property
- Equivalent Expressions \& Properties of Addition
- Write and Solve Addition Equations
- Write and Solve Multiplication Equations
- Understand Inequalities
- Write and Solve Inequalities
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## i-Ready Classroom Mathematics Instructional Resources

## Week 5: Geometry

- Unit 1, Lesson 1: Find the Area of a Parallelogram (Session 3)
- Unit 1, Lesson 2: Find the Area of Triangles and Other Polygons (Session 4)
- Unit 1, Lesson 3: Use Nets to Find Surface Area (Session 2)*
- Unit 1, Lesson 3: Use Nets to Find Surface Area (Session 3)*
- Unit 2, Lesson 11: Solve Volume Problems with Fractions (Session 3)*


## Interactive Practice

- Find the Area of a Parallelogram
- Find the Area of Triangles and Other Polygons
- Use Nets to Find Surface Area
- Solve Volume Problems with Fractions


## Center

 ActivitiesTools for Instruction

- Parallelogram Area Puzzle
- Find the Polygon
- Match Nets with Shapes and Surface Area
- Match Volume Cards
- Find the Area of a Parallelogram
- Perimeter and Area
- Multiply Fractions
- Find the Area of the Plane Figures
- Surface Area and Nets
- Volume of Right Rectangular Prisms
- Volume Concepts
- Calculate Volume
- Divide Fractions


## - Match

Questions and Distributions

- Use

Vocabulary
for Data
Distributions

- Find the

Box Plot

- Find the Mean and MAD
- Use

Vocabulary for Summarizing Data Sets

- Understand Statistical Questions
- Using Line Plots
- Solve Problems with Fractional Measurement Data
- Dot Plots and Histograms
- Create and Interpret a Box Plot
- Find the Mean and Absolute Deviation (MAD)


## i-Ready Lessons

- Find the Area of Parallelograms
- Find the Area of Triangles
- Find the Area of Polygons
- Use Nets to Find Surface Area
- Understand Statistical Questions
- Dot Plots
- Box Plots
- Medians and Quartiles
- Mean and Mean Absolute Deviation


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## i-Ready Classroom Mathematics Instructional Resources

## Interactive

 Practice*Center Activities

Tools for Instruction

## i-Ready Lessons

## Week 1: Proportional Relationships: Ratios and Rates

- Unit 1, Lesson 2: Find Unit Rates Involving Ratios of Fractions (Session 2)*
- Unit 1, Lesson 3: Understand Proportional Relationships (Session 2)*
- Unit 1, Lesson 3: Understand Proportional Relationships (Session 3)
- Unit 1, Lesson 4: Represent Proportional Relationships (Session 2)*
- Unit 1, Lesson 4: Represent Proportional Relationships (Session 3)*


## Week 2: Numbers and Operations

- Unit 2, Lesson 7: Understand Addition with Negative Integers (Session 2)*
- Unit 2, Lesson 8: Add with Negative Numbers (Session 3)*
- Unit 2, Lesson 10: Add and Subtract Positive and Negative Numbers (Session 3)*
- Unit 3, Lesson 12: Multiply and Divide with Negative Numbers (Session 2)*
- Unit 3, Lesson 12: Multiply and Divide with Negative Numbers (Session 3)*
- Find Unit Rates Involving Ratios of Fractions
- Understand Proportional Relationships
- Represent Proportional Relationships
- Use Vocabulary for Unit Rates and Fractions
- Proportion Tic Tac Toe
- Proportional Relationships Go Fish
- Fractions, Division, and Unit Rates
- Dividing with Unit Fractions
- Understand Ratios
- Visualize Rate
- Model Proportional Relationships
- Use Ratio Tables to Solve Problems
- Identify Proportional Relationships
- Adding Integers Go Fish
- Mixing

Chemicals: Addition with Negative
Numbers

- Ocean Addition and Subtraction
- First Five Equations: Multiplication and Division
- Add Positive and Negative Integers
- Understand Positive and Negative Numbers
- Understand and Apply Absolute Value
- Add Fractions with Unlike Denominators
- Add and Subtract Positive and Negative Numbers
- Add Positive and Negative Numbers
- Subtract Positive and Negative Integers
- Divide Positive and Negative Numbers
- Multiply Fractions
- Divide Fractions
- Multiply Positive and Negative Numbers
- Unit Rates for Ratios with Fractions, Part 1
- Unit Rates for Ratios with Fractions, Part 2
- Understand Proportional Relationships
- Write Equations for Proportional Relationships
- Understand Addition with Integers
- Understand Subtraction with Integers
- Strategies to Add and Subtract Integers
- Add and Subtract Rationals
- Strategies to Add and Subtract Rationals
- Multiply Integers
- Divide Integers
- Multiply and Divide Rationals


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## i-Ready Classroom Mathematics Instructional Resources

## Learning

 GamesInteractive Practice

Center Activities

## Week 3: Algebraic Thinking: Expressions, Equations, and Inequalities

- Unit 3, Lesson 15: Write Equivalent Expressions Involving Rational Numbers (Session 2)*
- Unit 3, Lesson 15: Write Equivalent Expressions Involving Rational Numbers (Session 3)*
- Unit 3, Lesson 16: Understand Reasons for Rewriting Expressions (Session 2)*
- Unit 3, Lesson 17: Understand Multi-Step Equations (Session 2)*
- Unit 3, Lesson 18: Write and Solve Multi-Step Equations (Session 4)
- Write Equivalent Expressions Involving Rational Numbers
- Understand Reasons for Rewriting Expressions
- Understand Multi-Step
Equations
- Write and

Solve
Multi-Step
Equations

- Match the Expression
- Situation Match-Up
- Use Vocabulary for Solving OneVariable Equations
- Write and Solve Algebraic Equations
- Write Equivalent Linear Expressions
- Write and Evaluate Expressions with Grouping Symbols
- Evaluate Variable Expressions
- Write Equivalent Expressions
- Analyze Relationships in Equivalent Expressions
- Write Equivalent Linear Expressions
- Evaluate Variable Expressions
- Test Solutions of Equations
- Write Equations to Solve Problems
- Solve Equations
- Solve Problems with Rational Numbers
- Model and Solve One-Variable Equations
- Equivalent Linear Expressions
- Reasons for Equivalent Linear Expressions
- Understand MultiStep Equations
- Solve Multi-Step Equations, Part 1
- Solve Multi-Step Equations, Part 2
- Write and Solve Multi-Step Equations


## Week 4: Inequalities and Percents

- Unit 4, Lesson 19: Write and Solve Inequalities (Session 2)*
- Unit 4, Lesson 19: Write and Solve Inequalities (Session 3)*
- Unit 5, Lesson 20: Solve Problems Involving Percents (Session 5)
- Unit 5, Lesson 21: Solve Problems Involving Percent Change and Percent Error (Session 2)*
- Unit 5, Lesson 21: Solve Problems Involving Percent Change and Percent Error (Session 4)
- Cupcake
- Write and
Solve

Inequalities

- Solve

Problems
Involving
Precents

- Solve

Problems
Involving
Percent
Change and
Percent Error

## - Inequality

 Bingo- Use Markdowns
- Find Percent Change
- Solve and Graph Linear Inequalities
- Represent Inequalities on Number Lines
- Solve Problems with Rational Numbers
- Write Equations to Solve Problems
- Multi-Step Percent Problems
- Find the Whole from a Part and a Percent
- Solve Multi-Step Ratio Problems
- Find Percent Change
- Understand Solutions of Inequalities
- Solve Inequalities
- Solve Problems with Inequalities
- Solve Percent Problems, Part 1
- Solve Percent Problems, Part 2
- Solve Percent Problems, Part 3
- Percent Change
*Develop Session Video available.


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## i-Ready Classroom Mathematics Instructional Resources

## Center

 Activities
## Tools for Instruction

- Use Angle Vocabulary
- Match Prisms with Surface Area
- Use Circle Vocabulary
- Find the Missing Volume Label
- Find Unknown Angle Measures
- Write Equations to Solve Problems
- Area of Composite Shapes
- Find the Area of a Parallelogram
- Find the Area of Plane Figures
- Surface Area and Nets
- Relate $\pi$ and the Diameter of a Circle
- Multiply Fractions
- Volume of Prisms
- Volume Concepts
- Calculate Volume
- Volume of Right Rectangular Prisms
- Understand Random Sampling
- Reason about Random Samples
- Solve Problem Involving Probability Models
- Solve Problems Involving Compound Events


## - Use

Vocabulary for Random Sampling

- Make

Inferences
about
Samples

- Spinner

Go Fish

- Compound Event Bingo
- Random Sampling
- Solve Problems with Fractional Measurement Data
- Understand Statistical Questions
- Dot Plots and Histograms
- Make Inferences from a Random Sample
- Compare Theoretical and Experimental Probabilities
- Find Equivalent Ratios
- Solve Multi-Step Ratio Problems
- Probability Experiment
- Compound Events


## i-Ready Lessons

- Understand Angle Relationships
- Area and Surface Area
- Understand the Area and Circumference of a Circle
- Volume of Right Prisms and Composite Figures


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## i-Ready Classroom Mathematics Instructional Resources

## Interactive Practice

## Center Activities

## Tools for Instruction

## i-Ready

 Lessons
## Week 1: Integer Exponents

- Unit 5, Lesson 20: Apply Exponent Properties for All Integer Exponents (Session 4)
- Unit 5, Lesson 22: Work with Scientific Notation (Session 5)
- Unit 6, Lesson 23: Find Square Roots and Cube Roots to Solve Problems (Session 4)
- Unit 6, Lesson 24: Express Rational Numbers as Fractions and Decimals (Session 3)
- Unit 6, Lesson 25: Find Rational Approximations of Irrational Numbers (Session 4)
- Apply Exponent Properties for All Integer Exponents
- Work with Scientific Notation
- Find Square Roots and Cube Roots to Solve Problems
- Express Rational Numbers as Fractions and Decimals
- Find Rational Approximations of Irrational Numbers
- Expressions with Integer Exponents
- Use Scientific Notation Vocabulary
- Four Square Roots and Cube Roots in a Row
- Convert Repeating Decimals
- Irrational Go Between
- Negative Exponents
- Evaluate Expressions Containing
- Exponents
- Exponent Properties
- Add and Subtract with Scientific Notation
- Solve Problems with Rational Numbers
- Compare and Estimate with Powers of 10
- Solve Equations Using Square and Cube Roots
- Test Solutions of Equations
- Solve Equations
- Solve Equations with the Variable on Both Sides
- Write a Repeating Decimal as a Fraction
- Write Fractions as Decimals
- Approximate and Order Irrational Numbers
- Properties of Positive Integer Exponents, Part 1
- Properties of Positive Integer Exponents, Part 2
- Properties of Zero and Negative Exponents
- Find Square Roots and Cube Roots to Solve Problems
- Linear and Nonlinear Functions
- Identify Proportional Relationships
- Write Equations to Solve Problems
- The Equation of a Line
- Write the Equation of a Function
- Slope and Unit Rate
- Linear and Nonlinear Functions
- Compare Slope and Initial Value of Functions
- Analyze Described Qualitatively


## - Understand

 Functions- Linear Functions: Rate of Change and Initial Value
- Linear Functions: Model from Two Points
- Linear Functions: Model from a Verbal Description
- Compare Functions


## *Develop Session Video available.

Note: Learning Games do not specifically align to Grade 8 standards at this time. However, students who are on grade level in Grade 8 will benefit from practicing relevant skills in new ways within Learning Games.

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## i-Ready Classroom Mathematics Instructional Resources

## Week 3: Linear Relationships and Slope

- Unit 3, Lesson 8: Graph Proportional Relationships and Define Slope (Session 3)*
- Unit 3, Lesson 9: Derive and Graph Linear Equations of the Form $y=m x+b$ (Session 2)*
- Unit 3, Lesson 9: Derive and Graph Linear Equations of the Form $y=m x+b$ (Session 4)*
- Unit 3, Lesson 10: Solve Linear Equations in One Variable (Session 4)
- Unit 3, Lesson 11: Determine the Number of Solutions to One-Variable Equations (Session 3)*
- Graph Proportional Relationships and Define Slope
- Derive and Graph Linear Equations of the Form $y=m x+b$
- Solve Linear Equations in One Variable
- Determine the Number of Solutions to OneVariable Equations


## Center

 Activities
## Tools for Instruction

- Find the Slope
- Use SlopeIntercept Vocabulary
- Match the Solution
- Write an Equation
- Slope and Unit Rate
- Unit Ratio Tables to Solve Problems
- Identify Proportional Relationships
- Dilation and Similar Figures
- The Equation of a Line
- Model Proportional Relationships
- Solve Equations with the Variable on Both Sides
- Solve Equations
- Solve Problems with Rational Numbers
- Write Equations to Solve Problems
- Solutions of Linear Equations
- Test Solutions of Equations
- Write Equivalent Linear Expressions
- Understand Systems of Linear Equations in Two Variables
- Solve System of Linear Equations Algebraically
- Represent and Solve Problems with Systems of Linear Equations
- Make Systems of Equations
- Find Four

Solutions

- Match Scenarios and Systems
- Solutions of Systems of Linear Equations
- Test Solutions of Equations
- The Equation of a Line
- Solutions of Linear Equations
- Solve Systems of Equations by Substitution
- Write Equations to Solve Problems
- Solve Equations with the Variable on Both Sides
- Solve Real-World Systems of Equations
- Relate Independent and Dependent Variables
- Proportional Relationships and Slope
- Derive Linear Equations
- Graph Linear Equations
- Solve Linear Equations
- Number of Solutions for Linear Equations
- Understand Systems of Linear Equations
- Graph Systems of Linear Equations
- Solve Systems of Linear Equations: Substitution
- Solve Systems of Linear Equations: Elimination


## *Develop Session Video available.

Note: Learning Games do not specifically align to Grade 8 standards at this time. However, students who are on grade level in Grade 8 will benefit from practicing relevant skills in new ways within Learning Games.

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## i-Ready Classroom Mathematics Instructional Resources

## Week 5: Geometry

- Unit 1, Lesson 1: Understand Right Transformations and Their Properties (Session 2)*
- Unit 1, Lesson 2: Work with Single Rigid Transformations in the Coordinate Plane (Session 5)
- Unit 1, Lesson 3: Work with Sequences of

Transformations and Congruence (Session 4)

- Unit 2, Lesson 5: Perform and Describe Transformations Involving Dilations (Session 2)*
- Unit 2, Lesson 6: Describe Angle Relationships (Session 4)


## Interactive Practice

## Center Activities

## Tools for Instruction

## i-Ready

 Lessons- Identify Rigid Transformation
- Hidden

Transformations

- Identify

Sequences of
Transformations

- Identify

Sequences of Transformations with Dilations

- Identify Pairs of Angles
- Rigid Transformations
- Find Unknown Angle Measures
- Triangle Side Lengths
- Transformations and Congruence
- Find Perimeter and Area of a Shape in the Coordinate Plane
- Sequences of Transformations
- Find Perimeter and Area of a Shape in the Coordinate Plane
- Dilation and Similar Figures
- Identify Proportional Relationships
- Dilations
- Parallel Lines, Transversals, and Angles
- Find Unknown Angle Measures
- Understand Rigid Transformations
- Translations
- Reflections
- Rotations
- Dilations and Similarity
- Dilations in the Coordinate Plane
- Describe Angle Relationships
- Understand Right Transformations and Their Properties
- Work with Single Rigid Transformations in the Coordinate Plane
- Work with Sequences of Transformations and Congruence
- Perform and Describe Transformations Involving Dilations
- Describe Angle Relationships

Understand the Pythagorean Theorem and Its Converse

- Apply the Pythagorean Theorem
- Solve Problems with Volumes of Cylinders, Cones, and Spheres
- Use Pythagorean Theorem
Vocabulary
- Find Pythagorean Triples
- Use Volume Vocabulary for Cylinders, Cones, and Spheres
- Proof of the Pythagorean Theorem
- Areas of Composite Shapes
- Triangle Side Lengths
- Solve Equations Using Square and Cube Roots
- Pythagorean Theorem and Rectangular Prisms
- Find Perimeter and Area of a Shape in the Coordinate Plane
- Approximate and Order Irrational Numbers
- Volumes of Cylinders and Cones
- Volume of Prisms
- Approximate and Order Irrational Numbers


## *Develop Session Video available.

Note: Learning Games do not specifically align to Grade 8 standards at this time. However, students who are on grade level in Grade 8 will benefit from practicing relevant skills in new ways within Learning Games.

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## 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 | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |  |  |  |  |  |
| Hungry Fish \| Addition, subtraction, and rational number operations fluency | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| (2)Zoom \| World's most interactive number line | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| ( $\frac{1}{2}$ ) Bounce \| Integer and fraction estimation, negative rational numbers, and absolute values on a number line | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| (4.1. Match \| Basic numbers, addition, subtraction, multiplication, division, fractions, rational numbers, and ratios | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Pizza \| Mental math, economics, and proportions |  |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |  |  |
| (2) Cupcake \| Word problems, real-world economics, proportions, ratios, rates, and coordintate planes |  |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| (iv) Cloud Machine \| Visual and symbolic fractions |  |  |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |

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## Students on Computers and Chromebooks ${ }^{\text {™ }}$

Note: Learning Games are available to students in Grades K-8 using i-Ready Classroom Mathematics and/or i-Ready Personalized Instruction for Mathematics, at district discretion.

Students can access Learning Games through their student dashboard. To complete these steps, students must be logged in to their account at i-ReadyConnect.com or, for single sign-on (SSO) users, through their district's portal:

1. If using $i$-Ready for Reading AND Mathematics, select Math under Choose a subject.
If ONLY using Math, students will go directly to their Math To Do screen
 (Step 2) upon logging in.
2. If the student does not have an assessment assigned or has been given access to Learning Games by an account administrator, they will see Learning Games in the bottom navigation bar. Select Learning Games.
3. The student will see the Learning Games home screen and can select any game displayed to start playing.


## Students on iPads ${ }^{\circledR}$

Ensure iPads have the most recent version of the i-Ready Connect for Students app

1. If students have not installed the i-Ready Connect for Students app, it can be downloaded from the App Store. ${ }^{\text {. }}$
2. Log in to i-Ready Connect ${ }^{T m}$ through the i-Ready Connect for Students app. Note: SSO users should log in to i-Ready Connect the way they normally would through their district's SSO portal.
3. Select Math from the subject selector screen (not pictured) or in the upper left-hand corner of the To Do screen.
4. If the student does not have an assessment assigned or has been given access to Learning Games by an account administrator, they will see Learning Games in the bottom navigation bar. Select Learning Games.
5. The student will see the Learning Games home screen and can select any game displayed to start playing.

${ }^{*}$ Note that iPad minis ${ }^{\circledR}$ are not supported, and the i-Ready Connect for Students app is not accessible on other tablets or the iPhone ${ }^{\circledR}$.


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## Educators

You can play Learning Games and access reports through your i-Ready Connect account.
Note: All i-Ready leaders and teachers have access to Learning Games Playtime, Skills Progress, and Factors of Learning reports, which can be used to check in on student activity and progress in the games. See the Reports Overview pages of the Educator Guide: Learning Games for details.

## Preview and Explore Learning Games:

1. Select Assess \& Teach from the top navigation.
2. Select Resources on the left.
3. Select Preview under Learning Games.
4. On the Learning Games home screen, Play Games will be selected by default. Select a Learning Game to demo.


## Access Reports for Learning Games:

1. Select Reports from the top navigation.
2. Teachers should select Class. (Leaders should select District or School.)
3. Select Instruction as the report category on the left.
4. Select Go under Learning Games.

5. A. On the Learning Games home screen, the Playtime report will be selected by default. Select Skills Progress or Factors of Learning to view other Learning Games reports.
B. Leaders can also select a school to view reports for a specific school.
6. Select Play Games to access demo versions of all Learning Games.

## Assigning Interactive Practice

1. Select Assess \& Teach from the top navigation.
2. Select Instruction for the category.
3. Select Math under Interactive Practice.
4. Filter by Interactive Practice title, Standards addressed, Language, Lesson, Unit, and/or Grade.
5. Use the checkboxes to select Interactive Practice you would like to assign (maximum of 10 at one time). Click on the title to view details or preview the Interactive Practice of your choice.
6. Click Assign Interactive Practice. The corresponding pop-up will appear.
! Make sure to click the arrow after each step to move forward!
7. Choose Classes/Report Groups or Students. Use the checkboxes to select your population.
8. Enter an Available Date and Due Date for each practice you are assigning.
9. Click Assign Interactive Practice.


## Managing Assigned Interactive Practice

Follow Steps 1-3 under Assigning Interactive Practice.
4. Select Manage Schedule.

To View Interactive Practice Assignment Details:
A. Select the + icon next to the Interactive Practice name.

To Change the Due Date of an Existing Assignment:

B1. Select Edit below Due Date.
B2. Enter or use the calendar to select the new Due Date on the Edit Schedule screen.


B3. Click Save.

To Cancel the Interactive Practice Assignment for All Students:
C. Select Cancel for All Students.

To Cancel the Interactive Practice Assignment for Individual Students:
D. Select Cancel by Students above the Interactive Practice table. Follow the steps in the corresponding pop-up to select one or more individual student assignments to cancel. (Steps not pictured.)

## Educators

The Develop Session Video Library for Grades 2-8 can be found on the Teacher Toolbox by following these steps:

1. Select Assess \& Teach from the top navigation.
2. Select Resources on the left.
3. Select Math under Teacher Toolbox.
4. Select Program Implementation.
5. Under Teaching and Learning Resources, click the icon next to Develop Session Video Library.
6. Click on the file to view the Develop Session Video Library.
7. Click Open.
8. From the file, copy and paste the video links to send them directly to your students.


## Students

There are two ways students in Grades 2-8 can access the Develop Session videos:
A. Students can receive a direct link to a video from their teacher (not pictured).
-OR-
B. Students can access the list of available videos through their student dashboard. Students must be logged in to their account at i-ReadyConnect.com or, for single sign-on (SSO) users, through their district's portal:

1. If using $i$-Ready for Reading AND Mathematics, select Math under Choose a subject.

If ONLY using Math, students will go directly to their Math To Do screen (Step 2) upon logging in.
2. Select the Bookshelf icon.
3. Click on the image of the Student Worktext.
4. On the bookshelf menu, click the My Videos tab.
5. On the My Videos page, choose the desired Develop Session video and click Watch Video.


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[^0]:    *Weeks 5 and 6 are optional.

[^1]:    *Develop Session Video available.

