



Standards-Based Assessment + Instruction

**PROBLEM SOLVING**  
FOR THE **21<sup>ST</sup> CENTURY**

BUILT FOR THE  
**NYS NEXT GENERATION  
LEARNING STANDARDS**

**Illustrative Math Alignments**  
Grade 3

1. Login to Exemplars Library: [library.exemplars.com](http://library.exemplars.com) with your school e-mail and password
2. Select the Grade 3 Unit you are working on:
  - [Unit 1: Introducing Multiplication](#)
  - [Unit 2: Area and Multiplication](#)
  - [Unit 3: Wrapping Up Addition and Subtraction Within 1,000](#)
  - [Unit 4: Relating Multiplication to Division](#)
  - [Unit 5: Fractions as Numbers](#)
  - [Unit 6: Measuring Length, Time, Liquid Volume, and Weight](#)
  - [Unit 7: Two-dimensional Shapes and Perimeter](#)
  - [Unit 8: Putting It All Together](#)
3. Once you are in the correct Unit, click on the task name, which is directly linked to the Exemplars Library where you can download a printer-friendly PDF and lesson planning sheet for the corresponding task.

**\*\* Note: You must be logged into the Exemplars Library to access the tasks in this document.**

## Illustrative Math: Grade 3

### Unit 1: Introducing Multiplication

Section A: Interpret and Represent Data on Scaled Graphs	Section B: From Graphs to Multiplication	Section C: Represent Multiplication with Arrays and the Commutative Property
<a href="#">The Math Team</a>	<a href="#">Ms. Bray's Mathematical Problem</a>	<a href="#">Pictures in the Hallway</a>
<a href="#">Buying Fruit</a>	<a href="#">A Problem With Five</a>	<a href="#">Collecting Stickers</a>
<a href="#">Summative Assessment Task: A Read A Book Contest</a>	<a href="#">Abigail's Problem</a>	<a href="#">Pom-poms</a>
	<a href="#">Flower Petals</a>	<a href="#">Summative Assessment Task: Circles and Stars</a>
	<a href="#">The School Store</a>	
	<a href="#">Catching Fish with Friends</a>	

## Illustrative Math: Grade 3

### Unit 2: Area and Multiplication

Section A: Concepts of Area Measurement	Section B: Relate Area to Multiplication	Section C: Find Area of Figures Composed of Rectangles
Use tasks from Unit 1.	<a href="#">A Patchwork Design</a>	Use tasks from Unit 2 section B.
	<a href="#">Mathematics Flash Cards</a>	
	<a href="#">Letters for a Bulletin Board</a>	
	<a href="#">Summative Assessment Task: Bookmarks</a>	

## Illustrative Math: Grade 3

Unit 3: Wrapping Up Addition and Subtraction Within 1,000

Section A: Add Within 1,000	Section B: Subtract Within 1,000	Section C: Round Within 1,000	Section D: Solve Two-Step Problems
Use tasks from Unit 1 and/or Unit 2.	Use tasks from Unit 1 and/or Unit 2.	<a href="#">Tables for a Party</a>	<a href="#">Stacking Wood, Burning Wood</a>
		<a href="#">Insects in Jars</a>	<a href="#">Benny the Brick Layer</a>
		<a href="#">Selling Bananas</a>	<a href="#">The Magic Pot</a>
		<a href="#">A Book to Read</a>	<a href="#">Henry's LEGO Structure</a>
		<a href="#">Summative Assessment Task: One Hundred Miles</a>	

## Illustrative Math: Grade 3

### Unit 4: Relating Multiplication to Division

Section A: What is Division?	Section B: Relate Multiplication and Division	Section C: Multiplying Larger Numbers	Section D: Dividing Larger Numbers
<a href="#">The Community Fair</a>	<a href="#">Fancy Candle Company Boxes</a>	<a href="#">Bead Shopping</a>	<a href="#">Bracelets to Sell</a>
<a href="#">Pencil Boxes</a>	<a href="#">Rides at Fun Park</a>	<a href="#">Tadpoles for Sale</a>	<a href="#">Walking Dogs</a>
<a href="#">Seventy-Two Legs</a>	<a href="#">Desks</a>	<a href="#">Dimes and Pennies</a>	<a href="#">Planting Seeds</a>
<a href="#">Each Orange Has Eight Slices</a>	<a href="#">Summative Assessment Task: Baskets of Tomatoes</a>	<a href="#">Wildflower Seeds</a>	<a href="#">Summative Assessment Task: Going to a Movie</a>
	<a href="#">Jugglers Juggling</a>	<a href="#">Doggy Treats</a>	<a href="#">A Pail of Pennies</a>
	<a href="#">Picking Tomatoes</a>	<a href="#">Summative Assessment Task: Ben's Poster</a>	
	<a href="#">Wild Turkeys</a>	<a href="#">Soccer Balls on Sale</a>	
	<a href="#">A New Solar System</a>		
	<a href="#">Mary Sells Popcorn</a>		
	<a href="#">Summative Assessment Task: Fishing</a>		

## Illustrative Math: Grade 3

### Unit 5: Fractions as Numbers

Section A: Introduction to Fractions	Section B: Fractions on the Number Line	Section C: Equivalent Fractions	Section D: Fraction Comparisons
<a href="#">Slices of Bread</a>	Use tasks from Unit 5 section A.	<a href="#">Pizza Pieces</a>	<a href="#">Who Eats the Most Pie?</a>
<a href="#">Energy Bars</a>		<a href="#">Two Friends</a>	<a href="#">Fraction Strips</a>
<a href="#">Lemon Pie</a>		<a href="#">Cutting Boards</a>	<a href="#">Pages in Books</a>
<a href="#">A Cookie Cake for Sally</a>		<a href="#">Names for the Same</a>	<a href="#">Painting Two Walls</a>
<a href="#">Summative Assessment Task: Waffles</a>		<a href="#">Summative Assessment Task: Ben's Apple Pie</a>	<a href="#">Summative Assessment Task: Pizza For Lunch</a>
<a href="#">Showing One-Fourth</a>			
<a href="#">Sharing Fudge</a>			
<a href="#">Pattern Blocks and Vertices</a>			
<a href="#">Pins</a>			
<a href="#">Summative Assessment Task: Pattern Block Cookies</a>			

### Illustrative Math: Grade 3

Unit 6: Measuring Length, Time, Liquid Volume, and Weight

Section A: Measurement Data on Line Plots	Section B: Weight and Liquid Volume	Section C: Problems Involving Time	Section D: Measurement Problems in Context
<a href="#">Pets at Home</a>	Use tasks from Units 4 or 5.	<a href="#">Packing Boxes</a>	Use tasks from Units 4 or 5.
<a href="#">Carrots</a>		<a href="#">Breakfast for Kyle</a>	
		<a href="#">Music Classes</a>	
		<a href="#">An Under-the-Water Hippopotamus</a>	
		<a href="#">Baseball Practice</a>	
		<a href="#">Mindy's Bedtime</a>	
		<a href="#">Summative Assessment Task: Chore Time</a>	



### Illustrative Math: Grade 3

#### Unit 7: Two-dimensional Shapes and Perimeter

Section A: Reason with Shapes	Section B: What is Perimeter?	Section C: Expanding on Perimeter	Section D: Design with Perimeter and Area
<a href="#">Quadrilaterals</a>	<a href="#">A Shed for Mrs. Harvey</a>	<a href="#">A Guinea Pig for Gracie</a>	<a href="#">A Box Top</a>
<a href="#">Pennies and Straws</a>		<a href="#">Gluing Pipe Cleaners</a>	<a href="#">A Vegetable Garden</a>
<a href="#">A Fun Project</a>		<a href="#">A Flower Garden</a>	<a href="#">A Place to Play</a>
<a href="#">Lines and Dots</a>		<a href="#">Building With Crayons</a>	<a href="#">Summative Assessment Task: Building a Garden</a>
<a href="#">Summative Assessment Task: Collecting Rocks and Sticks</a>		<a href="#">Summative Assessment Task: A New Bunny</a>	
		<a href="#">A Tomato Garden</a>	
		<a href="#">Larry the Lizard</a>	
		<a href="#">Summative Assessment Task: A Fence for Star</a>	

## Illustrative Math: Grade 3

### Unit 8: Putting It All Together

Section A: Fraction Fun	Section B: Measurement and Data	Section C: Multiplication and Division Games	Section D: Create and Design
Use tasks from Unit 5.	Use tasks from Unit 1-Section A; Unit 2; and/or Unit 7-Sections B, C, & D.	Use tasks from Unit 1-Sections A & B; Unit 2; and/or Unit 4.	Use tasks from any of the previous units.