



Standards-Based Assessment + Instruction

PROBLEM SOLVING
FOR THE | **21ST CENTURY**

BUILT FOR THE
COMMON CORE

Illustrative Math Alignments
Grade 3

1. Login to Exemplars Library: 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
The Math Team	Ms. Bray's Mathematical Problem	Pictures in the Hallway
Buying Fruit	A Problem With Five	Collecting Stickers
Summative Assessment Task: A Read A Book Contest	Abigail's Problem	Pom-poms
	Flower Petals	Summative Assessment Task: Circles and Stars
	The School Store	
	Three Fish Limit	

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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 Patchwork Design	Use tasks from Unit 2 section B.
	Mathematics Flash Cards	
	Letters for a Bulletin Board	
	Summative Assessment Task: Bookmarks	

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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.	Tables for a Party	Stacking Wood, Burning Wood
		Insects in Jars	Benny the Brick Layer
		Selling Bananas	The Magic Pot
		A Book to Read	Henry's LEGO Structure
		Summative Assessment Task: One Hundred Miles	

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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
The Community Fair	Fancy Candle Company Boxes	Bead Shopping	Bracelets to Sell
Pencil Boxes	Rides at Fun Park	Tadpoles for Sale	Walking Dogs
Seventy-Two Legs	Desks	Dimes and Pennies	Planting Seeds
Each Orange Has Eight Slices	Summative Assessment Task: Baskets of Tomatoes	Wildflower Seeds	Summative Assessment Task: Going to a Movie
	Jugglers Juggling	Doggy Treats	A Pail of Pennies
	Picking Tomatoes	Summative Assessment Task: Ben's Poster	
	Wild Turkeys	Soccer Balls on Sale	
	A New Solar System		
	Mary Sells Popcorn		
	Summative Assessment Task: Fishing		

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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
Slices of Bread	Use tasks from Unit 5 section A.	Pizza Pieces	Who Eats the Most Pie?
Energy Bars		Two Friends	Fraction Strips
Lemon Pie		Cutting Boards	Pages in Books
A Cookie Cake for Sally		Names for the Same	Painting Two Walls
Summative Assessment Task: Waffles		Summative Assessment Task: Ben's Apple Pie	Summative Assessment Task: Pizza For Lunch
Showing One-Fourth			
Sharing Fudge			
Pattern Blocks and Vertices			
Pins			
Summative Assessment Task: Pattern Block Cookies			

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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
Pets at Home	Use tasks from Units 4 or 5.	Packing Boxes	Use tasks from Units 4 or 5.
Carrots		Breakfast for Kyle	
		Music Classes	
		An Under-the-Water Hippopotamus	
		Baseball Practice	
		Mindy's Bedtime	
		Summative Assessment Task: Chore Time	

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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
Quadrilaterals	A Shed for Mrs. Harvey	A Guinea Pig for Gracie	A Box Top
Pennies and Straws		Gluing Pipe Cleaners	A Vegetable Garden
A Fun Project		A Flower Garden	A Place to Play
Lines and Dots		Building With Crayons	Summative Assessment Task: Building a Garden
Summative Assessment Task: A Walk to the Park		Summative Assessment Task: A New Bunny	
		A Tomato Garden	
		Larry the Lizard	
		Summative Assessment Task: A Fence for Star	

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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.