



Standards-Based Assessment + Instruction

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

BUILT FOR THE
COMMON CORE

Illustrative Math Alignments
Grade 4

1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password
2. Select the Grade 4 Unit you are working on:
 - [Unit 1: Factors and Multiples](#)
 - [Unit 2: Fraction Equivalence and Comparison](#)
 - [Unit 3: Extending Operations to Fractions](#)
 - [Unit 4: From Hundredths to Hundred-thousands](#)
 - [Unit 5: Multiplicative Comparison and Measurement](#)
 - [Unit 6: Multiplying and Dividing Multi-digit Numbers](#)
 - [Unit 7: Angles and Angle Measurement](#)
 - [Unit 8: Properties of Two-dimensional Shapes](#)
 - [Unit 9: 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 4

Unit 1: Factors and Multiples

Section A: Understand Factors and Multiples	Section B: Find Factor Pairs and Multiples
Posters	Hot Dogs and Buns for Friends
Boxes for Mini Muffins	Snacks on the Playground
Marching Ants	The Fitness Center
Summative Assessment Task: Muffins in a Box	Summative Assessment Task: Insects on Tiles
	Poster Board Choices
	Summative Assessment Task: A Bulletin Board

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Unit 2: Fraction Equivalence and Comparison

Section A: Size and Location of Fractions	Section B: Equivalent Fractions	Section C: Fraction Comparison
A New Rug	Tom's Brownies	The Largest Share
A Snack for a Class	Rectangular Pizza	Favorite Crackers
	Summative Assessment Task: Pans of Jell-O	

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Unit 3: Extending Operations to Fractions

Section A: Equal Groups of Fractions	Section B: Addition and Subtraction of Fractions	Section C: Addition of Tenths and Hundredths
Chocolate Bars	Coloring Circles	A New Quilt for Victoria
Celery Sticks With Peanut Butter	Magic Beans	Experienced Bike Riders
Potato Salad	Popcorn for Everyone	Tangram Challenge
Summative Assessment Task: Sharing Muffins	Tom's Brownies	Summative Assessment Task: Cutting Pipes
Keisha's Barbecue	Rectangular Pizza	
A Puzzle	A Raspberry Pie	
Planting Crops	Cutting Strong String	
Summative Assessment Task: Nine Friends	Summative Assessment Task: Sawing a Board	
	Hunting With Hawks	
	Feeding Newborn Puppies	
	Snails on the Move!	
	Bean Plants for Mother's Day	
	Summative Assessment Task: Reading on Tuesday Night	

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Unit 4: From Hundredths to Hundred-thousands

Section A: Decimals with Tenths and Hundredths	Section B: Place-value Relationships through 1,000,000	Section C: Compare, Order, and Round	Section D: Add and Subtract
Basketball Practice	Use tasks from Unit 4 Section A.	Traveling to Football Games	A Million Pop Tops
Bags of Dimes		Hives and Nests	The Botanical Gardens
Eating Pizza		Towers of Bricks	A New Driveway
Red Marbles		Summative Assessment Task: A Computer Game	Baseball Stadium Seats
Helping Doctors			Summative Assessment Task: Soccer Practice
Summative Assessment Task: Two Girls and Two Cakes			

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Unit 5: Multiplicative Comparison and Measurement

Section A: Multiplicative Comparison	Section B: Measurement Conversion	Section C: Let's Put it to Work
Dog Years	Thanksgiving Dinner	A Jumping Good Time
Making Cakes	Hitting Golf Balls	Summative Assessment Task: Cars on a Ramp
Feeding Lizards and Frogs	Softball Throw	Babysitting Earnings
Large Muffins	A Movie and a Game Room	Water, Water, Water
		Xeno, the Xylophone Maker
		Summative Task Assessment: A Geode

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Unit 6: Multiplying and Dividing Multi-digit Numbers

Section A: Features of Patterns	Section B: Multi-digit Multiplication	Section C: Multi-digit Division	Section D: Let's Put It to Work: Problem Solving with Large Numbers
Bird Watching	A Brick Sidewalk	Skateboard Wheels	A Garden for Polly
Popcorn	A Field Trip	Summative Assessment Task: Tile Border	The Morgan's New Garden
Apple Picking	Selling Sport Posters	Grandfather's Wallet	A Puppy Kennel
Picking Peaches	Jigsaw Puzzles	Drawing Paper	A Sandbox
Building With Blocks	Equipment for a Park	Sharing Jelly Beans	Pencils
Summative Assessment Task: Flying South	Bags of Stickers	A Gift	
Mike's Decision		Summative Assessment Task: Tires for Sale	
Going on Vacation			
Painting a House			
A Summer Job for Jane			
Summative Assessment Task: Susan's Allowance			

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Unit 7: Angles and Angle Measurement

Section A: Points, Lines, Segments, Rays, and Angles	Section B: The Size of Angles	Section C: Angle Analysis
	Acute Angles	Spinner Fixing
	Finding the Angles	A Fist-Full of Angles
	Summative Assessment Task: Pairs of Angles	
	An Angle Challenge	

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Unit 8: Properties of Two-dimensional Shapes

Section A: Side Lengths, Angles, and Lines of Symmetry	Section B: Reason about Attributes to Solve Problems
Jordan's Math Challenge	Gumdrop Shapes
Pattern Block Tile Design	All About Shapes
A Design for Little Bear	A Necklace for Cindy
Working With Pentominoes	Using Some Clues
Summative Assessment Task: Pattern Block Tile Design	Making Geometric Shapes
	Summative Assessment Task: A Shape Game

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Unit 9: Putting It All Together

Section A: Reason with Fractions	Section B: Whole-number Operations	Section C: Solve Problems with Multiplication and Division	Section D: Creation and Design
The Pie Sale	Helping a School	Mrs. Ruben's Cookies	Use tasks from any of the previous units.
Use tasks from Unit 2 and Unit 3.	Puppet Shows	Packages of Crayons	
	Use tasks from Unit 4 Section D and Unit 5 Section C.	Use tasks from Unit 6.	