Exemplars® K–12
We Set the Standards!

Standards-Based Assessment + Instruction

PROBLEM SOLVING FOR THE 21ST CENTURY

BUILT FOR THE COMMON CORE

Illustrative Math Alignments

Grade 5

1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password
2. Select the Grade 5 Unit you are working on:
   - Unit 1: Finding Volume
   - Unit 2: Fractions as Quotients and Fraction Multiplication
   - Unit 3: Multiplying and Dividing Fractions
   - Unit 4: Wrapping Up Multiplication and Division with Multi-Digit Numbers
   - Unit 5: Place Value Patterns and Decimal Operations
   - Unit 6: More Decimal and Fraction Operations
   - Unit 7: Shapes on the Coordinate Plane
   - 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.
4. Looking for ideas on how to find time to integrate Exemplars tasks into your IM Curriculum? We've got you covered!

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

Illustrative Math: Grade 5

Unit 1: Finding Volume

Section A: Unit Cubes and Volume (Lessons 1-4)	Section B: Expressions for Finding Volume (Lessons 5-7)	Section C: Volume of Solid Figures (Lessons 8-12)
Students begin this unit with many hands on experiences that allow them to make sense of volume as a measurement of three-dimensional figures by building objects with unit cubes and counting the cubes. This will provide them with a foundation in which to problem solve about volume in the upcoming sections.	Making Taffy	Fudge Display
	A Box for Candy	Pyramid of Tissue Boxes
	Box Problem	Summative Assessment Task: Cereal Box Display
	Summative Assessment Task: Building Boxes	

Illustrative Math: Grade 5

Unit 2: Fractions as Quotients and Fraction Multiplication

Section A: Fractions as Quotients (Lessons 1-5)	Section B: Fractions of Whole Numbers (Lessons 6-8)	Section C: Area and Fractional Side Lengths (Lessons 9-17)
Use tasks from Unit 1.	Planning a Party	Newspaper Layout
	Painting Classrooms	Summative Assessment Task: Park Play Area
	Favorite Sport	
	Pond Critters	
	Summative Assessment Task: Time for Exercise	

Illustrative Math: Grade 5

Unit 3: Multiplying and Dividing Fractions

Section A: Fraction Multiplication (Lessons 1-9)	Section B: Fraction Division (Lessons 10-16)	Section C: Problem Solving with Fractions (Lessons 17-20)
Use tasks from Unit 2.	Relay Race for Charity	Squirrel Babies
	Strawberry Shortcake	For the Birds
	Ribbon Bookmarks	Summative Assessment Task: Prize Ribbons With Sequins
	Packages of Chocolate	
	Summative Assessment Task: Bows for Gift Baskets	

Illustrative Math: Grade 5

Unit 4: Wrapping Up Multiplication and Division with Multi-Digit Numbers

Section A: Multi-digit Multiplication Using the Standard Algorithm (Lessons 1-9)	Section B: Multi-digit Division Using Partial Quotients (Lessons 10-17)	Section C: Let's Put it to Work (Lessons 18-21)
Use tasks from Unit 3.	Beads for Everyone	A Box for Base-10 Blocks
	A Field Trip Challenge	A New Aquarium
	A Border for Mr. Gomez's Kitchen	Perfect Attendance
	Baseball Equipment	Crayons for Fifth Grade
		An Egg Farm
		Buttons for a Craft Project
		Summative Assessment Task: Popsicle Party
		Summative Assessment Task: Feathers for Frames

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Unit 5: Place Value Patterns and Decimal Operations

Section A: Numbers to Thousandths (Lessons 1-10)	Section B: Add and Subtract Decimals (Lessons 11-16)	Section C: Multiply Decimals (Lessons 17-21)	Section D: Divide Decimals (Lessons 22-26)
Bamboo and the Botanist	Snack Bars	Muffins	A Celebration
A Fifth Grade Competition	Rainfall	Phoning New Friends	Buying Plastic Plates
Summative Assessment Task: Crab Walk Relay Race	Laundry Dilemma	Collecting Insects	Sport Jerseys
Aquarium Temperatures		New Balls for Recess	Wheels for Inline Skates
A Good Night's Sleep		Calling Plans	Paulo's Monthly Salary
New Equipment		Summative Assessment Task: Ms. Harley Rides to School	
Training for a Race			
Gymnastic Championship			
Summative Assessment Task: Football Players			

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Unit 6: More Decimal and Fraction Operations

Section A: Measurement Conversions and Powers of 10 (Lessons 1-7)	Section B: Add and Subtract Fractions with Unlike Denominators (Lessons 8-15)	Section C: The Size of Products (Lessons 16-21)
Dimes and Dollars	Lots of Cake	Three Pig Home Builders
Digit Dilemma	A Necklace Challenge	
Shh! It's a Secret	Pizza by the Slice	
The Number Game	Working	
Summative Assessment Task: Money in Banks	Ribbon for a Project	
Which Choice?	Summative Assessment Task: Stuffed with Pizza	
Termite Homes	Sorting Metal Fasteners	
Seashells for Lydia	Scrapbooking	
Flying Home	Hungry Newborn Lion Cubs	
Summative Assessement Task: A Light For Mike	Thursday Night, Friday Morning	
Bella's Homecoming	Summative Assessment Task: Cargo Barges	
Hanging Model Airplanes		
Filling an Old Swimming Pool		
Filling a Fish Tank		
Weighing Pennies		
Chocolate Chip Cookies for Relatives		
Summative Assessment Task: Watering Plants		

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Unit 7: Shapes on the Coordinate Plane

Section A: The Coordinate Plane (Lessons 1-3)	Section B: The Hierarchy of Shapes (Lessons 4-8)	Section C: Numerical Patterns (Lessons 9-13)
A Carnival	Classifying Geometric Figures	Cans and Bottles
Planning a Soccer Field	Charting Geometric Figures	A Chickadee and a Cardinal
At the Mall		Collecting Basketball Cards
Going Out to Eat		Plants and Insects
Summative Assessment Task: Herds of Cattle		Stars
		Summative Assessment Task: A Stone Wall

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Unit 8: Putting It All Together

Section A: Multiply and Divide Whole Numbers (Lessons 1-5)	Section B: Apply Volume Concepts (Lessons 6-9)	Section C: Fraction and Decimal Operations (Lessons 10-13)	Section D: Creation and Design (Lessons 14-18)
Use tasks from Unit 4.	Use tasks from Unit 1 as well as Unit 4 Section C	Use tasks from Unit 2; Unit 3; Unit 5 Section B and C; Unit 6 Section B and C.	Use tasks from previous units.

Integrating Exemplars Tasks into Illustrative Mathematics

When using a high-quality instructional resource like *Illustrative Mathematics*, it can initially feel overwhelming to determine how and when to incorporate opportunities for students to extend their learning—especially through performance tasks from *Exemplars*. There is no single "right" way to integrate *Exemplars* tasks into the *Illustrative Mathematics* resource.

Many factors will influence your approach, including:

- The amount of time available for math instruction and assessment
- The goals of the unit, section, or lesson, and
- Your students' backgrounds, knowledge, and prior experiences.

General Considerations

If your math instructional block exceeds 60 minutes, you may have more flexibility to incorporate an Exemplars task that aligns with the current lesson, section, or unit goals—or that reinforces a previously taught concept.

If your instructional time is 60 minutes or less, consider the following strategies:

- **Build in additional lesson days** that focus solely on an Exemplars task. Since the IM pacing guide for Grade 5, for instance, recommends 151–164 instructional days (out of a typical 180-day school year), the remaining days can be distributed throughout units to make space for performance tasks.
- **Omit optional lessons** within IM to create room for deeper exploration using Exemplars tasks.
- **Substitute the final unit, "Putting It All Together,"** with Exemplars tasks. In Grade 5, this could provide up to 9 additional days that can be redistributed across the school year.

Embedding Exemplars Tasks into Daily Instruction

You might also choose to substitute one or more activities within a lesson with an Exemplars problem-solving task—especially if it aligns closely with the lesson's learning goal. *(Follow below for suggestions for a Grade 5 unit)*

Other flexible options for using Exemplars tasks include:

- Alongside Center Activities and Practice Problems
- As a homework opportunity
- In place of a Section Checkpoint for formative assessment
- Alongside or in place of a Unit Assessment for summative purposes

Grade 5 Lesson Specific Ideas

The following are possible opportunities to substitute one or more Illustrative Mathematics activities with an Exemplars Task. It is important to consider the lesson goals and what experiences your students will most benefit from.

Unit 3: Multiplying and Dividing Fractions

Lesson	Considerations for Activities to be Substituted	Exemplars Task Options
15	Activity 2-Division Story Situations	Relay Race for Charity Strawberry Shortcake Ribbon Bookmarks Packages of Chocolate Summative Assessment Task: Bows for Gift Baskets

Lesson	Considerations for Activities to be Substituted	Exemplars Task Options
17	Activity 1-Info Gap: Tiles Activity 2-Multiplication or Division	Relay Race for Charity Strawberry Shortcake Ribbon Bookmarks Packages of Chocolate Summative Assessment Task: Bows for Gift Baskets
18	Activity 1-Putting it All Together: Multiplication and Division Activity 2-Multiplication or Division?	Relay Race for Charity Strawberry Shortcake Ribbon Bookmarks Packages of Chocolate Summative Assessment Task: Bows for Gift Baskets Squirrel Babies For the Birds Summative Assessment Task: Prize Ribbons with Sequins
19	Activity 1 Greatest Product or Quotient Activity 2 Smallest Product or Quotient	Squirrel Babies For the Birds Summative Assessment Task: Prize Ribbons with Sequins
20	Activity 1-What's in a Recipe? Activity 2-Noah's Recipe Challenge	Squirrel Babies For the Birds Summative Assessment Task: Prize Ribbons with Sequins

Exemplars performance tasks can extend students' learning seamlessly within the *Illustrative Mathematics* resource because in addition to their alignment to the Common Core standards, they share a focus for developing deep conceptual understanding along with a balance of procedural concepts and application to real-world problems. To learn more about how these resources work together, check out our Case Study here.