



Standards-Based Assessment + Instruction

PROBLEM SOLVING
FOR THE **21ST CENTURY**

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

Illustrative Math Alignments
Grade 2

1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password
2. Select the Grade 2 Unit you are working on:
 - [Unit 1: Adding, Subtracting, and Working with Data](#)
 - [Unit 2: Adding and Subtracting within 100](#)
 - [Unit 3: Measuring Length](#)
 - [Unit 4: Addition and Subtraction on the Number Line](#)
 - [Unit 5: Numbers to 1,000](#)
 - [Unit 6: Geometry, Time, and Money](#)
 - [Unit 7: Adding and Subtracting within 1,000](#)
 - [Unit 8: Equal Groups](#)
 - [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 2

Unit 1: Adding, Subtracting, and Working with Data

| Section A: Add and Subtract Within 20 | Section B: Ways to Represent Data | Section C: Diagrams to Compare |
|---|--|---|
| <p>*The first section of lessons focus on the strategy of making ten for adding and subtracting in order to help students gain fluency with facts within 20 as well as to support work with larger numbers. This allows the teacher to gather information about students' skills and understanding before entering into more complex tasks.</p> | <p>Painting or Drawing</p> | <p>Continue with tasks from Unit 1 Section B.</p> |
| | <p>Painting a Room</p> | |
| | <p>Picnic Drink</p> | |
| | <p>Favorite Season</p> | |
| | <p>Summative Assessment Task: Choosing a Paint Color</p> | |

Illustrative Math: Grade 2

Unit 2: Adding and Subtracting within 100

| Section A: Add and Subtract | Section B: Decompose to Subtract | Section C: Represent and Solve Story Problems |
|---|-------------------------------------|---|
| Autumn Leaves (Take From, Result Unknown) | Use tasks from Unit 2 Section A. | Ladybugs and Spiders (Put Together, Total Unknown) |
| Selling Flowers (Take From, Result Unknown) | | Mom's Purse (Add to, Result Unknown; Take From, Change Unknown) |
| Longer Than a Year (Put Together/Take Apart, Addends Unknown) | | Oh, Nuts! (Put Together/Take Apart, Addend Unknown) |
| Summative Assessment Task: Barnyard Buddies (Put Together, Total Unknown) | | Anthony's Pennies (Add to, Start Unknown) |
| | | Helping Grandmother (Put Together, Total Unknown; Take From, Result Unknown) |
| | | Buying Beads (Put Together/Take Apart, Total Unknown) |
| | | Summative Assessment Task: On the Beach (Put Together, Total Unknown; Put Together, Addend Unknown) |
| | | |

Illustrative Math: Grade 2

Unit 3: Measuring Length

| Section A: Metric Measurement | Section B: Customary Measurement | Section C: Line Plots |
|-------------------------------------|--|--|
| Growing Sunflowers | Catching Fish | Use tasks from Unit 1 Section B or tasks from earlier in Unit 3. |
| Pencils and Markers | Summative Assessment Task: Paper Clip Chains | |
| | Racing Snails | |
| | A New Yellow Pencil | |
| | Making Bookmarks With Ribbon | |
| | Making Necklaces | |
| | A Windy Day | |
| | Fred D. Croaker | |
| | Summative Assessment Task: Name Tags | |

Illustrative Math: Grade 2

Unit 4: Addition and Subtraction on the Number Line

**Section A:
The Structure of the Number Line**

See tasks from Unit 2. (Students will be able to begin to apply the number line as a representation.)

**Section B:
Add and Subtract on a Number Line**

See tasks from Unit 2. (Students will be able to begin to apply the number line as a representation.)

Illustrative Math: Grade 2

Unit 5: Numbers to 1,000

| Section A: The Value of Three Digits | Section B: Compare and Order Numbers within 1,000 |
|---|---|
| See tasks from previous units. | A Big Backyard Bird Count |
| | How Much Is a Name Worth? |
| | Jonah's Pages |
| | Same or Different? |
| | Summative Assessment Task: Routes to the City |
| | Reading About Motorcycles |
| | A Lot of Pages |
| | Earning a Box of Markers |
| | Reading Aloud |
| | Summative Assessment Task: Singing Many Songs |
| | Reading a Dinosaur Book |

Illustrative Math: Grade 2

Unit 6: Geometry, Time, and Money

| Section A: Attributes of Shapes | Section B: Halves, Thirds, and Fourths | Section C: Time on the Clock | Section D: The Value of Money |
|--|--|---------------------------------|---|
| Paper Clips and Cubes | Bird House Building | See tasks from previous units. | Buying Gumballs |
| Craft Stick Shapes | Sharing Cornbread with Friends | | Two Coins in Each Hand |
| Pasta and Gumdrops | Paint Clean Up | | Winter Coat Pockets |
| A Design of 29 | Blueberry Pie for Sale | | Matching Money |
| Summative Assessment Task: Sticks and Pebbles | Summative Assessment Task: Sharing Two Fruit Bars | | Summative Assessment Task: Comparing Coins |

Illustrative Math: Grade 2

Unit 7: Adding and Subtracting within 1,000

| Section A: Add and Subtract within 1,000 without Composition or Decomposition | Section B: Add within 1,000 using Place Value Strategies | Section C: Subtract within 1,000 using Place Value Strategies |
|--|--|--|
| A New Video Game (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) | Use tasks from Unit 7 Section A. | Apples for Students (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) |
| Collecting Postage Stamps (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) | | Stuffed Animal Collection (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) |
| Packets of Daisy Seeds (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) | | Car Trip (Put Together/Take Apart, Addend Unknown) |
| Summative Assessment Task: One Thousand Seashells (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) | | Beanbag Toss (Put Together, Both Addends Unknown) |
| | | Feather Collection (Add to, Start with Unknown) |

Illustrative Math: Grade 2

Unit 7: Adding and Subtracting within 1,000 (continued)

| Section A: Add and Subtract within 1,000 without Composition or Decomposition | Section B: Add within 1,000 using Place Value Strategies | Section C: Subtract within 1,000 using Place Value Strategies |
|--|---|---|
| | | How Many Students? (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) |
| | | Sharing Stickers (Put Together/Take Apart, Addend Unknown) |
| | | Summative Assessment Task: Puzzle Pieces (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) |
| | | Summative Assessment Task: A Food Drive (Put Together/Take Apart, Addend Unknown) |
| | | Summative Assessment Task: Snack Bars for School (Put Together, Total Unknown; Put Together/Take Apart, Addend Unknown) |

Illustrative Math: Grade 2

Unit 8: Equal Groups

| Section A: Odd and Even | Section B: Rectangular Arrays |
|--|--|
| Go Fish | Nickels for a Treat |
| Oops! | Sarah's Garden |
| Helping a Friend | Beads for Pins |
| Correcting the Teacher! | Books About Dinosaurs |
| Summative Assessment Task: Cars and Trucks | Cars in a Case |
| | Summative Assessment Task: Dimes for a Basketball |
| | Cages for Sick Dogs |
| | Square Earring Boxes |
| | Sixteen Paper Squares |
| | A Case for Arrowheads |
| | Summative Assessment Task: Square Tiles on a Box Top |

Illustrative Math: Grade 2

Unit 9: Putting It All Together

| Section A: Fluency Within 20 and Measurement | Section B: Numbers to 1,000 | Section C: Create and Solve Story Problems |
|---|---|---|
| See tasks from Unit 3. | Use tasks from Unit 7 Section C or below. | Use tasks from Unit 7 Section C. |
| | SUMthing Fun! | |
| | Addition Puzzle | |
| | Tricky Math | |
| | A Homework Problem | |
| | Solve It! | |