

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

BUILT FOR THE  
**COMMON CORE**

**Bridges 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 3rd Grade Unit you are working on:
  - Unit 1: [Addition & Subtraction Patterns](#)
  - Unit 2: [Introduction to Multiplication](#)
  - Unit 3: [Multi-Digit Addition & Subtraction](#)
  - Unit 4: [Measurement & Fractions](#)
  - Unit 5: [Multiplication, Division & Area](#)
  - Unit 6: [Geometry](#)
  - Unit 7: [Extending Multiplication & Fractions](#)
  - Unit 8: [Bridge Design & Construction: Data Collection & Analysis](#)
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.**

## Bridges Math: Grade 3

### Unit 1: Addition & Subtraction Patterns

| Module  | Common Core State Standard | Exemplars Tasks  |
|---|----------------------------|--|
| Community Building & Addition Facts to Twenty | <a href="#">3.OA.9</a>     | There aren't any 3rd grade Exemplars tasks that address these foundational standards |
| Subtraction Facts to Twenty                   |                            |  |
| Double-Digit Addition                         | 3.NBT.2                    |  |
| Story Problems & Strategies                   |                            |  |

## Bridges Math: Grade 3

### Unit 2: Introduction to Multiplication

| Module   | Common Core State Standard                       | Exemplars Tasks                    |
|--|--|------------------------------------|
| Multiplication in Context                        | <a href="#">3.OA.1</a>                           | <a href="#">Pom-poms</a>           |
| Multiplying with Number Lines and Arrays         | <a href="#">3.OA.3</a>                           |                                    |
|  | <a href="#">3.OA.4</a>                           |                                    |
|  | <a href="#">3.OA.5</a>                           |                                    |
|  | <a href="#">3.OA.7</a>                           |                                    |
| Ratio Table and the Multiplication Table         | <a href="#">3.OA.9</a>                           | <a href="#">A New Solar System</a> |
| Story Problems with Graphs & Multiple Operations | <a href="#">3.OA.8</a><br><a href="#">3.MD.3</a> |                                    |

## Bridges Math: Grade 3

### Unit 3: Multi-Digit Addition & Subtraction

| Module  | Common Core State Standard   | Exemplars Tasks  |
|---|--|--|
| Rounding & Multi-Digit Addition                     |  |  |
| Multi-Digit Subtraction                             |  |  |
| Estimating to Add & Subtract                        | <a href="#">3.OA.8</a><br><a href="#">3.NBT.1</a><br><a href="#">3.NBT.2</a> | <a href="#">Stacking Wood, Burning Wood</a><br><br><a href="#">Selling Bananas</a> |
| Exploring the Algorithms for Addition & Subtraction |  |  |

## Bridges Math: Grade 3

### Unit 4: Measurement & Fractions

| Module  | Common Core State Standard   | Exemplars Tasks                 |
|---|--|---------------------------------|
| Measuring Time & Mass                                 | <a href="#">3.MD.1</a><br><a href="#">3.MD.2</a>   | <a href="#">Mindy's Bedtime</a> |
| Measuring Volume & Solving Measurement Story Problems | <a href="#">3.MD.2</a><br><a href="#">3.OA.8</a>   |                                 |
| Fractions as Fair Shares                              | <a href="#">3.NF.1</a><br><a href="#">3.NF.2</a><br><a href="#">3.NF.2a</a><br><a href="#">3.NF.2b</a><br><a href="#">3.NF.3a</a><br><a href="#">3.NF.3b</a><br><a href="#">3.NF.3c</a><br><a href="#">3.NF.3d</a> | <a href="#">Energy Bars</a>     |
| Fractions on a Line Plot                              |  |                                 |

## Bridges Math: Grade 3

### Unit 5: Multiplication, Division & Area

| Module                             | Common Core State Standard   | Exemplars Tasks              |
|------------------------------------|--|------------------------------|
| Linking Multiplication & Division  |  |                              |
| Multiplication & Division Families | <a href="#">3.OA.2</a><br><a href="#">3.OA.3</a><br>3.OA.4<br>3.OA.6<br>3.OA.7<br><a href="#">3.OA.8</a>                           | <a href="#">Pencil Boxes</a> |
| Division Practice                  |  |                              |
| Introducing Area                   | <a href="#">3.MD.5a</a><br><a href="#">3.MD.5b</a><br><a href="#">3.MD.6</a><br><a href="#">3.MD.7a</a><br><a href="#">3.MD.7b</a> | <a href="#">A Box Top</a>    |

## Bridges Math: Grade 3

### Unit 6: Geometry

| Module                 | Common Core State Standard  | Exemplars Tasks                       |
|------------------------|---|---------------------------------------|
| Investigating Polygons | <a href="#">3.G.1</a>   | <a href="#">Pennies and Straws</a>    |
| Quadrilaterals         |   |                                       |
| Perimeter & Area       | <a href="#">3.MD.5a</a><br><a href="#">3.MD.5b</a><br><a href="#">3.MD.7a</a><br><a href="#">3.MD.7b</a><br><a href="#">3.MD.7d</a><br><a href="#">3.MD.8</a> | <a href="#">Building with Crayons</a> |
| Shapes & Fractions     | <a href="#">3.G.2</a>   |                                       |



## Bridges Math: Grade 3

### Unit 7: Extending Multiplication & Fractions

| Module   | Common Core State Standard  | Exemplars Tasks              |
|--|---|------------------------------|
| Multiplication Beyond the Facts                | <a href="#">3.OA.1</a>  | <a href="#">Doggy Treats</a> |
| One-by-Two-Digit Multiplication                | <a href="#">3.OA.5</a><br><a href="#">3.OA.7</a><br><a href="#">3.OA.8</a><br><a href="#">3.NBT.3</a>   |                              |
| Fractions as Parts of a Whole & Parts of a Set | <a href="#">3.NF.1</a>  | <a href="#">Pizza Pieces</a> |
| Fractions at Work                              | <a href="#">3.NF.2</a><br><a href="#">3.NF.2a</a><br><a href="#">3.NF.2b</a><br><a href="#">3.NF.3a</a><br><a href="#">3.NF.3b</a><br><a href="#">3.NF.3c</a><br><a href="#">3.NF.3d</a><br><a href="#">3.G.2</a> |                              |

## Bridges Math: Grade 3

Unit 8: Bridge Design & Construction: Data Collection & Analysis

| Module                                   | Common Core State Standard   | Exemplars Tasks                |
|--|--|--------------------------------|
| Introducing Bridges                      |  |                                |
| Investigating Structures in Bridges      | <a href="#">3.NF.1</a><br><a href="#">3.NF.3d</a><br><a href="#">3.MD.1</a><br>3.MD.2<br><a href="#">3.MD.3</a><br><a href="#">3.MD.4</a><br><a href="#">3.MD.7b</a> | <a href="#">Two Peach Pies</a> |
| Planning, Building & Analyzing Bridges   | <a href="#">3.G.1</a><br><a href="#">3.G.2</a>   | <a href="#">Pets at Home</a>   |
| Demonstrating Our Learning About Bridges |  |                                |