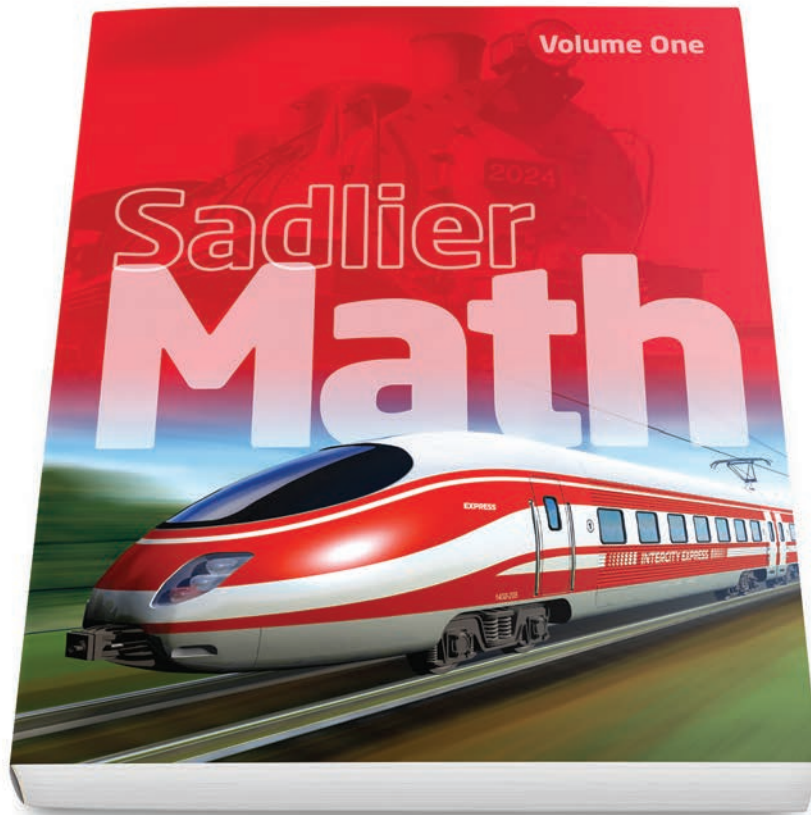


# *Sadlier Math™*

Correlation to the New York State  
Next Generation Mathematics Learning Standards (2017)

Grade 1



Learn more at [www.SadlierSchool.com/SadlierMath](http://www.SadlierSchool.com/SadlierMath)

**NY-1.OA OPERATIONS AND ALGEBRAIC THINKING**

| Grade 1 Content Standards | Sadlier Math, Grade 1 |
|---------------------------|-----------------------|
|---------------------------|-----------------------|

**Represent and solve problems involving addition and subtraction.**

**NY-1.OA.1** Use addition and subtraction within 20 to solve one step word problems involving situations of adding to, taking from, putting together, taking apart, and/or comparing, with unknowns in all positions.

Note: Problems should be *represented* using objects, drawings, and equations with a symbol for the unknown number. Problems should be *solved* using objects or drawings, and equations.

**Chapter 1 Addition Facts and Strategies Within 10**

- 1-1 Sums Through 5—pp. 3-6
- 1-2 Sums Through 6—pp. 7-10
- 1-3 Sums of 7 and 8—pp. 11-14
- 1-4 Sums of 9 and 10—pp. 15-18
- 1-7 Problem Solving: The Four-Step Process—pp. 29-34

**Chapter 2 More Addition Within 10**

- 2-5 Addition Practice—pp. 57-60
- 2-6 Problem Solving: Use a Number Sentence—pp. 63-68
- 2-7 Solve for Unknown Addends—pp. 69-72

**Chapter 3 Subtraction Facts and Strategies Within 10**

- 3-1 Subtract from 5 or Less—pp. 79-82
- 3-2 Subtract from 6 or Less—pp. 83-86
- 3-3 Subtract from 7 and 8—pp. 87-90
- 3-4 Subtract from 9 and 10—pp. 91-94
- 3-5 Problem Solving: Use a Model—pp. 97-102

**Chapter 4 Addition and Subtraction Relationships Within 10**

- 4-6 Problem Solving: Use a Model—pp. 139-144
- 4-7 Find Missing Addends—pp. 145-148
- 4-8 Subtract to Compare—pp. 149-152
- 4-9 Solve Comparison Word Problems—pp. 153-156

**Chapter 8 Addition Facts Within 20**

- 8-2 Addition: Sums of 11 and 12—pp. 293-296
- 8-3 Addition: Sums Through 14—pp. 297-300
- 8-4 Addition: Sums Through 16—pp. 303-306
- 8-5 Addition: Sums Through 18—pp. 307-310
- 8-6 Addition: Sums Through 20—pp. 311-314
- 8-8 Problem Solving: Write and Solve an Equation—pp. 319-324

**Chapter 9 Subtraction Facts Within 20**

- 9-2 Subtract from 11 and 12—pp. 335-338
- 9-3 Subtract from 13 and 14—pp. 339-342

*continued*

Sadlier and Sadlier® are registered trademarks of William H. Sadlier, Inc. Sadlier Math™ is a trademark of William H. Sadlier, Inc. All rights reserved. May be reproduced for educational use (not commercial use).

| NY-1.OA OPERATIONS AND ALGEBRAIC THINKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <i>Sadlier Math</i> , Grade 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p><b>NY-1.OA.2</b> Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20.</p> <p>e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.</p>                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• 9-4 Subtract from 16 or Less—pp. 345–348</li> <li>• 9-5 Subtract from 20 or Less—pp. 349–352</li> <li>• 9-7 Problem Solving: Use a Number Sentence—pp. 357–362</li> <li>• 9-9 Missing Part of an Equation—pp. 367–370</li> </ul> <p><b>Chapter 2 More Addition Within 10</b></p> <ul style="list-style-type: none"> <li>• 2-1 Add Three Numbers—pp. 41–44</li> <li>• 2-2 Solve Addition Word Problems—pp. 45–48</li> </ul> <p><b>Chapter 8 Addition Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 8-7 Three Addends—pp. 315–318</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><b>Understand and apply properties of operations and the relationship between addition and subtraction.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p><b>NY-1.OA.3</b> Apply properties of operations as strategies to add and subtract.</p> <p>e.g.,</p> <ul style="list-style-type: none"> <li>• If <math>8 + 3 = 11</math> is known, then <math>3 + 8 = 11</math> is also known. (Commutative property of addition.)</li> <li>• To add <math>2 + 6 + 4</math>, the second two numbers can be added to make a ten, so <math>2 + 6 + 4 = 2 + 10 = 12</math>. (Associative property of addition.)</li> </ul> <p>Note: Students need not use formal terms for these properties.</p> | <p><b>Chapter 1 Addition Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 1-5 Related Addition Facts—pp. 21–24</li> </ul> <p><b>Chapter 2 More Addition Within 10</b></p> <ul style="list-style-type: none"> <li>• 2-1 Add Three Numbers—pp. 41–44</li> </ul> <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-7 All or Zero—pp. 107–110</li> </ul> <p><b>Chapter 4 Addition and Subtraction Relationships Within 10</b></p> <ul style="list-style-type: none"> <li>• 4-3 Fact Families Through 10—pp. 125–128</li> </ul> <p><b>Chapter 8 Addition Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 8-2 Addition: Sums of 11 and 12—pp. 293–296</li> <li>• 8-3 Addition: Sums Through 14—pp. 297–300</li> <li>• 8-4 Addition: Sums Through 16—pp. 303–306</li> <li>• 8-5 Addition: Sums Through 18—pp. 307–310</li> <li>• 8-6 Addition: Sums Through 20—pp. 311–314</li> <li>• 8-7 Three Addends—pp. 315–318</li> </ul> <p><b>Chapter 9 Subtraction Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 9-2 Subtract from 11 and 12—pp. 335–338</li> <li>• 9-3 Subtract from 13 and 14—pp. 339–342</li> <li>• 9-4 Subtract from 16 or Less—pp. 345–348</li> <li>• 9-5 Subtract from 20 or Less—pp. 349–352</li> <li>• 9-6 Fact Families Through 20—pp. 353–356</li> </ul> |

Sadlier and Sadlier are registered trademarks of William H. Sadlier, Inc. Sadlier Math™ is a trademark of William H. Sadlier, Inc. All rights reserved. May be reproduced for educational use (not commercial use).

| NY-1.OA OPERATIONS AND ALGEBRAIC THINKING                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                                                                                                                                                                                               | Sadlier Math, Grade 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p><b>NY-1.OA.4</b> Understand subtraction as an unknown addend problem within 20.</p> <p>e.g., Subtract <math>10 - 8</math> by finding the number that makes 10 when added to 8.</p>                                                                                                                                                                   | <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-5 Problem Solving: Use a Model—pp. 97-102</li> </ul> <p><b>Chapter 4 Addition and Subtraction Relationships Within 10</b></p> <ul style="list-style-type: none"> <li>• 4-2 Relate Addition and Subtraction—pp. 121-124</li> <li>• 4-4 Think Addition to Subtract—pp. 129-132</li> <li>• 4-7 Find Missing Addends—pp. 145-148</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Add and subtract within 20.</b>                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p><b>NY-1.OA.5</b> Relate counting to addition and subtraction.</p> <p>e.g., by counting on 2 to add 2</p>                                                                                                                                                                                                                                             | <p><b>Chapter 1 Addition Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 1-6 Count on to Add—pp. 25-28</li> </ul> <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-6 Count On to Subtract—pp. 103-106</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>NY-1.OA.6</b>                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p><b>NY-1.OA.6a</b> Add and subtract within 20. Use strategies such as:</p> <ul style="list-style-type: none"> <li>• counting on;</li> <li>• making ten;</li> <li>• decomposing a number leading to a ten;</li> <li>• using the relationship between addition and subtraction; and</li> <li>• creating equivalent but easier or known sums.</li> </ul> | <p><b>Chapter 1 Addition Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 1-6 Count on to Add—pp. 25-28</li> </ul> <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-6 Count On to Subtract—pp. 103-106</li> </ul> <p><b>Chapter 4 Addition and Subtraction Relationships Within 10</b></p> <ul style="list-style-type: none"> <li>• 4-1 Related Subtraction Facts—pp. 117-120</li> <li>• 4-2 Relate Addition and Subtraction—pp. 121-124</li> <li>• 4-3 Fact Families Through 10—pp. 125-128</li> <li>• 4-4 Think Addition to Subtract—pp. 129-132</li> <li>• 4-5 Check by Adding—pp. 133-136</li> <li>• 4-6 Problem Solving: Use a Model—pp. 139-144</li> <li>• 4-7 Find Missing Addends—pp. 145-148</li> </ul> <p><b>Chapter 8 Addition Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 8-1 Make 10 to Add—pp. 289-292</li> <li>• 8-2 Addition: Sums of 11 and 12—pp. 293-296</li> </ul> <p style="text-align: right;"><i>continued</i></p> |

| NY-1.OA OPERATIONS AND ALGEBRAIC THINKING                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                                                                    | <i>Sadlier Math, Grade 1</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p><b>NY-1.OA.6b</b> Fluently add and subtract within 10.</p> <p>Note: Fluency involves a mixture of just knowing some answers, knowing some answers from patterns, and knowing some answers from the use of strategies.</p> | <ul style="list-style-type: none"> <li>• 8-3 Addition: Sums Through 14—pp. 297–300</li> <li>• 8-4 Addition: Sums Through 16—pp. 303–306</li> <li>• 8-5 Addition: Sums Through 18—pp. 307–310</li> <li>• 8-6 Addition: Sums Through 20—pp. 311–314</li> </ul> <p><b>Chapter 9 Subtraction Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 9-1 Make 10 to Subtract—pp. 331–334</li> <li>• 9-2 Subtract from 11 and 12—pp. 335–338</li> <li>• 9-3 Subtract from 13 and 14—pp. 339–342</li> <li>• 9-4 Subtract from 16 or Less—pp. 345–348</li> <li>• 9-5 Subtract from 20 or Less—pp. 349–352</li> <li>• 9-6 Fact Families Through 20—pp. 353–356</li> </ul> <p><b>Chapter 1 Addition Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 1-1 Sums Through 5—pp. 3–6</li> <li>• 1-2 Sums Through 6—pp. 7–10</li> <li>• 1-3 Sums of 7 and 8—pp. 11–14</li> <li>• 1-4 Sums of 9 and 10—pp. 15–18</li> <li>• 1-5 Related Addition Facts—pp. 21–24</li> <li>• 1-6 Count on to Add—pp. 25–28</li> </ul> <p><b>Chapter 2 More Addition Within 10</b></p> <ul style="list-style-type: none"> <li>• 2-1 Add Three Numbers—pp. 41–44</li> <li>• 2-2 Solve Addition Word Problems—pp. 45–48</li> <li>• 2-3 Doubles and Doubles Plus 1—pp. 49–52</li> <li>• 2-4 Equivalent Sums—pp. 53–56</li> <li>• 2-5 Addition Practice—pp. 57–60</li> </ul> <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-1 Subtract from 5 or Less—pp. 79–82</li> <li>• 3-2 Subtract from 6 or Less—pp. 83–86</li> <li>• 3-3 Subtract from 7 and 8—pp. 87–90</li> <li>• 3-4 Subtract from 9 and 10—pp. 91–94</li> <li>• 3-5 Problem Solving: Use a Model—pp. 97–102</li> <li>• 3-6 Count On to Subtract—pp. 103–106</li> <li>• 3-7 All or Zero—pp. 107–110</li> </ul> <p><b>Chapter 4 Addition and Subtraction Relationships Within 10</b></p> <ul style="list-style-type: none"> <li>• 4-1 Related Subtraction Facts—pp. 117–120</li> <li>• 4-2 Relate Addition and Subtraction—pp. 121–124</li> </ul> <p style="text-align: right;"><i>continued</i></p> |

Sadlier and Sadlier® are registered trademarks of William H. Sadlier, Inc. Sadlier Math™ is a trademark of William H. Sadlier, Inc. All rights reserved. May be reproduced for educational use (not commercial use).

| NY-1.OA OPERATIONS AND ALGEBRAIC THINKING                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                                                                                                                                                                                      | Sadlier Math, Grade 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• 4-3 Fact Families Through 10—pp. 125–128</li> <li>• 4-4 Think Addition to Subtract—pp. 129–132</li> <li>• 4-5 Check by Adding—pp. 133–136</li> <li>• 4-6 Problem Solving: Use a Model—pp. 139–144</li> <li>• 4-7 Find Missing Addends—pp. 145–148</li> <li>• 4-8 Subtract to Compare—pp. 149–152</li> <li>• 4-9 Solve Comparison Word Problems—pp. 153–156</li> </ul>                                                                                                                                                                                                                 |
| <b>Work with addition and subtraction equations.</b>                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p><b>NY-1.OA.7</b> Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.</p> <p>e.g., Which of the following equations are true and which are false?</p> <p><math>6 = 6</math>    <math>7 = 8 - 1</math>    <math>5 + 2 = 2 + 5</math>    <math>4 + 1 = 5 + 2</math></p> | <p><b>Chapter 1 Addition Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 1-1 Sums Through 5—pp. 3–6</li> </ul> <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-1 Subtract from 5 or Less—pp. 79–82</li> </ul> <p><b>Chapter 9 Subtraction Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 9-8 True and False Equations—pp. 363–366</li> </ul>                                                                                                                                                                   |
| <p><b>NY-1.OA.8</b> Determine the unknown whole number in an addition or subtraction equation with the unknown in all positions.</p> <p>e.g., Determine the unknown number that makes the equation true in each of the equations:</p> <p><math>8 + ? = 11</math>    <math>5 = \_ - 3</math>    <math>6 + 6 = \square</math></p>                | <p><b>Chapter 2 More Addition Within 10</b></p> <ul style="list-style-type: none"> <li>• 2-7 Solve for Unknown Addends—pp. 69–72</li> </ul> <p><b>Chapter 3 Subtraction Facts and Strategies Within 10</b></p> <ul style="list-style-type: none"> <li>• 3-1 Subtract from 5 or Less—pp. 79–82</li> </ul> <p><b>Chapter 4 Addition and Subtraction Relationships Within 10</b></p> <ul style="list-style-type: none"> <li>• 4-7 Find Missing Addends—pp. 145–148</li> </ul> <p><b>Chapter 9 Subtraction Facts Within 20</b></p> <ul style="list-style-type: none"> <li>• 9-9 Missing Part of an Equation—pp. 367–370</li> </ul> |

| NY-1.NBT NUMBER AND OPERATIONS IN BASE TEN                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                     | Sadlier Math, Grade 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Extend the counting sequence.</b>                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>NY-1.NBT.1</b> Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.</p> | <p><b>Chapter 6 Place Value to 100</b></p> <ul style="list-style-type: none"> <li>• 6-3 Numbers 11 Through 19—pp. 209–212</li> <li>• 6-4 Numbers 20 Through 39—pp. 213–216</li> <li>• 6-5 Numbers 40 Through 59—pp. 219–222</li> <li>• 6-6 Numbers 60 Through 89—pp. 223–226</li> <li>• 6-7 Numbers 90 Through 100—pp. 227–230</li> <li>• 6-8 Problem Solving: Use a Model—pp. 231–236</li> <li>• 6-9 Count and Order Using Hundred Chart Patterns—pp. 237–240</li> </ul> <p><b>Chapter 7 Place Value to 120</b></p> <ul style="list-style-type: none"> <li>• 7-4 Numbers to 120—pp. 261–264</li> <li>• 7-5 Number Patterns to 120—pp. 265–268</li> <li>• 7-6 Compare Numbers—pp. 269–272</li> <li>• 7-7 Order Numbers—pp. 273–276</li> </ul> |
| <b>Understand place value.</b>                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>NY-1.NBT.2</b> Understand that the two digits of a two-digit number represent amounts of tens and ones.                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p><b>NY-1.NBT.2a</b> Understand 10 can be thought of as a bundle of ten ones, called a “ten”.</p>                                                                            | <p><b>Chapter 6 Place Value to 100</b></p> <ul style="list-style-type: none"> <li>• 6-1 Tens and Ones—pp. 201–204</li> <li>• 6-2 Tens Through One Hundred—pp. 205–208</li> <li>• 6-3 Numbers 11 Through 19—pp. 209–212</li> <li>• 6-4 Numbers 20 Through 39—pp. 213–216</li> <li>• 6-5 Numbers 40 Through 59—pp. 219–222</li> <li>• 6-6 Numbers 60 Through 89—pp. 223–226</li> <li>• 6-7 Numbers 90 Through 100—pp. 227–230</li> <li>• 6-8 Problem Solving: Use a Model—pp. 231–236</li> </ul> <p><b>Chapter 7 Place Value to 120</b></p> <ul style="list-style-type: none"> <li>• 7-1 Place Value of Digits—pp. 247–250</li> <li>• 7-2 Expanded Form—pp. 251–254</li> <li>• 7-3 Decompose Two-Digit Numbers—pp. 255–258</li> </ul>           |
| <p><b>NY-1.NBT.2b</b> Understand the numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.</p>                        | <p><b>Chapter 6 Place Value to 100</b></p> <ul style="list-style-type: none"> <li>• 6-3 Numbers 11 Through 19—pp. 209–212</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**NY-1.NBT NUMBER AND OPERATIONS IN BASE TEN**

| Grade 1 Content Standards | Sadlier Math, Grade 1 |
|---------------------------|-----------------------|
|---------------------------|-----------------------|

|                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>NY-1.NBT.2c</b> Understand the numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).</p>                                               | <p><b>Chapter 6 Place Value to 100</b></p> <ul style="list-style-type: none"> <li>6-2 Tens Through One Hundred—pp. 205–208</li> </ul> <p><b>Chapter 7 Place Value to 120</b></p> <ul style="list-style-type: none"> <li>7-2 Expanded Form—pp. 251–254</li> <li>7-3 Decompose Two-Digit Numbers—pp. 255–258</li> </ul> <p><b>Chapter 11 Addition: Two-Digit Numbers</b></p> <ul style="list-style-type: none"> <li>11-2 Add Tens—pp. 411–414</li> </ul> <p><b>Chapter 12 Subtraction: Two-Digit Numbers</b></p> <ul style="list-style-type: none"> <li>12-2 Subtract Tens—pp. 457–460</li> </ul> |
| <p><b>NY-1.NBT.3</b> Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols <math>&gt;</math>, <math>=</math>, and <math>&lt;</math>.</p> | <p><b>Chapter 7 Place Value to 120</b></p> <ul style="list-style-type: none"> <li>7-6 Compare Numbers—pp. 269–272</li> <li>7-7 Order Numbers—pp. 273–276</li> <li>7-8 Problem Solving: Use Reasoning—pp. 277–282</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     |

**Use place value understanding and properties of operations to add and subtract.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>NY-1.NBT.4</b> Add within 100, including</p> <ul style="list-style-type: none"> <li>a two-digit number and a one-digit number,</li> <li>a two-digit number and a multiple of 10.</li> </ul> <p>Use concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Understand that in adding two-digit numbers, one adds tens and tens, ones and ones, and sometimes it is necessary to compose a ten.</p> <p>Relate the strategy to a written representation and explain the reasoning used.</p> <p>Note: Students should be taught to use strategies based on place value, properties of operations, and the relationship between addition and subtraction; however, when solving any problem, students can choose any strategy.</p> <p style="text-align: right;"><i>continued</i></p> | <p><b>Chapter 11 Addition: Two-Digit Numbers</b></p> <ul style="list-style-type: none"> <li>11-2 Add Tens—pp. 411–414</li> <li>11-3 Add Two-Digit Numbers and Multiples of Ten—pp. 415–418</li> <li>11-4 Add Two-Digit and One-Digit Numbers—pp. 419–422</li> <li>11-5 Make a 10 to Add Two-Digit and One-Digit Numbers—pp. 423–426</li> <li>11-6 Add Two-Digit Numbers—pp. 429–432</li> <li>11-7 Make a 10 to Add Two-Digit Numbers—pp. 433–436</li> <li>11-8 Break Apart to Add—pp. 437–440</li> <li>11-9 Problem Solving: Use a Model—pp. 441–446</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**NY-1.NBT NUMBER AND OPERATIONS IN BASE TEN**

| Grade 1 Content Standards | Sadlier Math, Grade 1 |
|---------------------------|-----------------------|
|---------------------------|-----------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Note: A <i>written representation</i> is any way of showing a strategy using words, pictures, or numbers.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                 |
| <p><b>NY-1.NBT.5</b> Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><b>Chapter 11 Addition: Two-Digit Numbers</b></p> <ul style="list-style-type: none"> <li>• 11-1 Mental Math: Find 10 or More—pp. 407–410</li> </ul> <p><b>Chapter 12 Subtraction: Two-Digit Numbers</b></p> <ul style="list-style-type: none"> <li>• 12-1 Mental Math: Find 10 Less—pp. 453–456</li> </ul>                                   |
| <p><b>NY-1.NBT.6</b> Subtract multiples of 10 from multiples of 10 in the range 10–90 using</p> <ul style="list-style-type: none"> <li>• concrete models or drawings, and</li> <li>• strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</li> </ul> <p>Relate the strategy used to a written representation and explain the reasoning.</p> <p>Note: Students should be taught to use concrete models and drawings; as well as strategies based on place value, properties of operations, <i>and</i> the relationship between addition and subtraction. When solving any problem, students can choose to use a concrete model or a drawing. Their strategy must be based on place value, properties of operations, or the relationship between addition and subtraction.</p> <p>Note: A <i>written representation</i> is any way of showing a strategy using words, pictures, or numbers.</p> | <p><b>Chapter 12 Subtraction: Two-Digit Numbers</b></p> <ul style="list-style-type: none"> <li>• 12-2 Subtract Tens—pp. 457–460</li> <li>• 12-3 Think Addition to Subtract Tens—pp. 461–464</li> <li>• 12-4 Subtract Multiples of Ten from Two-Digit Numbers—pp. 467–470</li> <li>• 12-5 Problem Solving: Guess and Test—pp. 471–476</li> </ul> |

**NY-1.MD MEASUREMENT AND DATA**

| Grade 1 Content Standards | Sadlier Math, Grade 1 |
|---------------------------|-----------------------|
|---------------------------|-----------------------|

|                                                                                                                               |                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Measure lengths indirectly and by iterating length units.</b></p>                                                       |                                                                                                                                                                                    |
| <p><b>NY-1.MD.1</b> Order three objects by length; compare the lengths of two objects indirectly by using a third object.</p> | <p><b>Chapter 5 Measurement: Length</b></p> <ul style="list-style-type: none"> <li>• 5-1 Order by Length—pp. 163–166</li> <li>• 5-2 Use Indirect Comparison—pp. 167–170</li> </ul> |

| NY-1.MD MEASUREMENT AND DATA                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                                                                                                                                                                                                                   | Sadlier Math, Grade 1                                                                                                                                                                                                                                                                                                                              |
| <p><b>NY-1.MD.2</b> Measure the length of an object using same-size “length units” placed end to end with no gaps or overlaps. Express the length of an object as a whole number of “length units.”</p> <p>Note: “Length units” could include cubes, paper clips, etc.</p>                                                                                                  | <p><b>Chapter 5 Measurement: Length</b></p> <ul style="list-style-type: none"> <li>• 5-3 Same-Size Length Units—pp. 171-174</li> <li>• 5-4 Measure Length—pp. 175-178</li> <li>• 5-5 Problem Solving: Use Logical Reasoning—pp. 181-186</li> <li>• 5-6 Make and Use a Ruler—pp. 187-190</li> <li>• 5-7 Inches—pp. 191-194</li> </ul>               |
| <p><b>Tell and write time and money.</b></p>                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                    |
| <p><b>NY-1.MD.3</b></p>                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                    |
| <p><b>NY-1.MD.3a</b> Tell and write time in hours and half-hours using analog and digital clocks. Develop an understanding of common terms, such as, but not limited to, <i>o’clock</i> and <i>half past</i>.</p>                                                                                                                                                           | <p><b>Chapter 15 Time</b></p> <ul style="list-style-type: none"> <li>• 15-1 Hour—pp. 563-566</li> <li>• 15-2 Half Hour—pp. 567-570</li> <li>• 15-3 Time Patterns—pp. 573-576</li> <li>• 15-4 Day and Night—pp. 577-580</li> <li>• 15-5 Problem Solving: Use Logical Reasoning—pp. 581-586</li> </ul>                                               |
| <p><b>NY-1.MD.3b</b> Recognize and identify coins (penny, nickel, dime, and quarter) and their value and use the cent symbol (¢) appropriately.</p> <p><b>NY-1.MD.3c</b> Count a mixed collection of dimes and pennies and determine the cent value (total not to exceed 100 cents).</p> <p>e.g., 3 dimes and 4 pennies is the same as 3 tens and 4 ones, which is 34¢.</p> | <p><b>Chapter 16 Money</b></p> <ul style="list-style-type: none"> <li>• 16-1 Pennies and Nickels—pp. 593-596</li> <li>• 16-2 Dimes and Quarters—pp. 597-600</li> <li>• 16-3 Count On by Dimes and Pennies—pp. 601-604</li> <li>• 16-4 Count On by Dimes and Nickels—pp. 605-608</li> <li>• 16-5 One Dollar—pp. 611-614</li> </ul>                  |
| <p><b>Represent and interpret data.</b></p>                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                    |
| <p><b>NY-1.MD.4</b> Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.</p>                                                                                                                      | <p><b>Chapter 10 Data and Graphical Displays</b></p> <ul style="list-style-type: none"> <li>• 10-1 Read Tally Charts—pp. 377-380</li> <li>• 10-2 Make Tally Charts—pp. 381-384</li> <li>• 10-3 Read Picture Graphs—pp. 387-390</li> <li>• 10-4 Make Picture Graphs—pp. 391-394</li> <li>• 10-5 Problem Solving: Use a Model—pp. 395-400</li> </ul> |

| NY-1.G GEOMETRY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade 1 Content Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sadlier Math, Grade 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reason with shapes and their attributes.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p><b>NY-1.G.1</b> Distinguish between defining attributes versus non-defining attributes for a wide variety of shapes. Build and/or draw shapes to possess defining attributes.</p> <p>e.g.,</p> <ul style="list-style-type: none"> <li>• A defining attribute may include, but is not limited to: triangles are closed and three-sided.</li> <li>• Non-defining attributes include, but are not limited to: color, orientation, and overall size.</li> </ul> <p>Note on and/or: Students should be taught to build and draw shapes to possess defining attributes; however, when answering questions, students can choose to build or draw the shape.</p> | <p><b>Chapter 13 Geometry</b></p> <ul style="list-style-type: none"> <li>• 13-1 Two-Dimensional Shapes—pp. 483–486</li> <li>• 13-2 Attributes of Two-Dimensional Shapes—pp. 487–490</li> <li>• 13-3 Compose Two-Dimensional Shapes—pp. 491–494</li> <li>• 13-4 Compose More Two-Dimensional Shapes—pp. 495–498</li> <li>• 13-5 Three-Dimensional Shapes—pp. 501–504C124</li> <li>• 13-6 Attributes of Three-Dimensional Shapes—pp. 505–508</li> <li>• 13-7 Compare Two-Dimensional and Three-Dimensional Shapes—pp. 509–512</li> <li>• 13-8 Sort Two-Dimensional and Three-Dimensional Shapes—pp. 513–516</li> <li>• 13-10 Problem Solving: Use Logical Reasoning—pp. 521–526</li> </ul> |
| <p><b>NY-1.G.2</b> Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.</p> <p>Note: Students do not need to learn formal names such as “right rectangular prism.”</p>                                                                                                                                                                                                                            | <p><b>Chapter 13 Geometry</b></p> <ul style="list-style-type: none"> <li>• 13-3 Compose Two-Dimensional Shapes—pp. 491–</li> <li>• 13-4 Compose More Two-Dimensional Shapes—pp. 495–498</li> <li>• 13-9 Compose Three-Dimensional Shapes—pp. 517–520</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p><b>NY-1.G.3</b> Partition circles and rectangles into two and four equal shares, describe the shares using the words <i>halves</i>, <i>fourths</i>, and <i>quarters</i>, and use the phrases <i>half of</i>, <i>fourth of</i>, and <i>quarter of</i>. Describe the whole as <i>two of</i>, or <i>four of</i> the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.</p>                                                                                                                                                                                                                               | <p><b>Chapter 14 Equal Shares</b></p> <ul style="list-style-type: none"> <li>• 14-1 Equal Shares—pp. 533–536</li> <li>• 14-2 Make Halves—pp. 537–540</li> <li>• 14-3 Make Fourths—pp. 541–544</li> <li>• 14-4 Halves and Fourths—pp. 547–550</li> <li>• 14-5 Problem Solving: Draw a Picture—pp. 551–556</li> </ul>                                                                                                                                                                                                                                                                                                                                                                      |