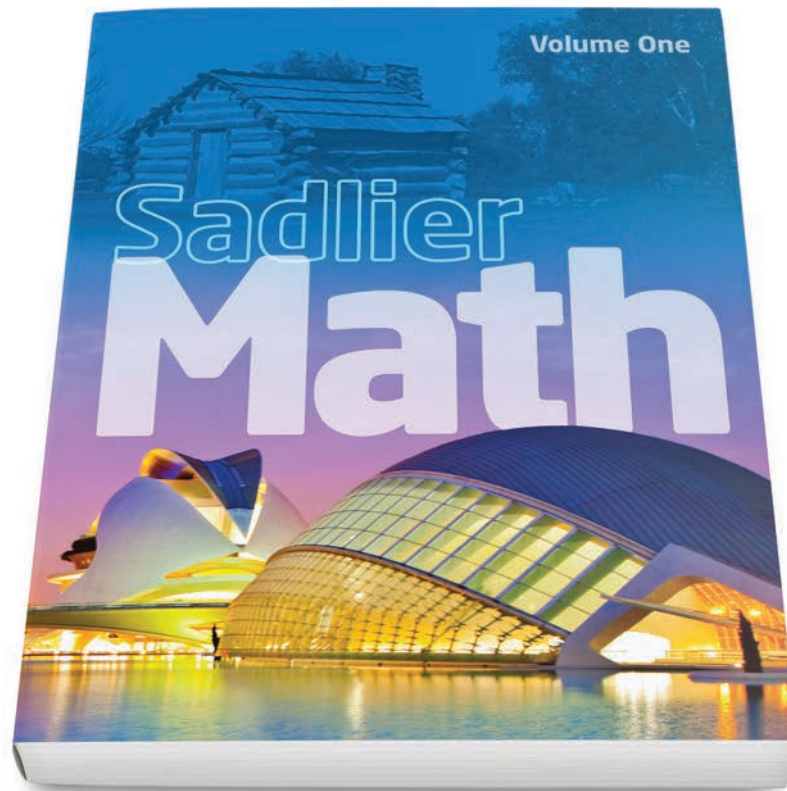


Sadlier Math™

Correlation to the Diocese of Grand Rapids
Office of Catholic Schools Curriculum for Mathematics

Grade 2



Learn more at www.SadlierSchool.com/SadlierMath

NUMBER	
Second Grade Mathematics Standards	Sadlier Math, Grade 2
<p>2.Math.N.1 Use multiple models, such as pictures and physical objects, to describe orally and in written form places with whole numbers up to 1,000.</p>	<p>Chapter 3: 3-1 & 3-2</p> <ul style="list-style-type: none"> • 3-1 Tens and Ones—pp. 111-114 • 3-2 Expanded Form—pp. 115-118 <p>Chapter 7: 7-1 through 7-4</p> <ul style="list-style-type: none"> • 7-1 Hundreds—pp. 299-302 • 7-2 Hundreds, Tens, and Ones—pp. 303-306 • 7-3 Place Value in Three-Digit Numbers—pp. 307-310 • 7-4 Expanded Form with Hundreds, Tens, and Ones—pp. 311-314
<p>2.Math.N.2 Recognize, represent, and use common fractions, including $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{10}$, and $\frac{1}{12}$.</p>	<p>Chapter 14: 14-1 through 14-5</p> <ul style="list-style-type: none"> • 14-1 Partition Rectangles into Rows and Columns—pp. 585-588 • 14-2 Halves—pp. 589-592 • 14-3 Thirds—pp. 595-598 • 14-4 Fourths—pp. 599-602 • 14-5 Problem Solving: Use a Model—pp. 603-608 <p>See also Grade 3 (sixths, eighths)</p> <p>Chapter 9: 9-1 through 9-7</p> <ul style="list-style-type: none"> • 9-1 Understand Equal Parts—pp. 188-189 • 9-2 Name Unit Fractions of a Whole—pp. 190-191 • 9-3 Find Unit Fractions on a Number Line—pp. 192-193 • 9-4 Name Fractions of a Whole—pp. 196-197 • 9-5 Find Fractions on a Number Line—pp. 198-199 • 9-6 Use a Fraction to Find the Whole—pp. 200-201 • 9-7 Problem Solving: Use a Model—pp. 202-203
<p>2.Math.N.3 Identify if a number is greater than, less than, or equal to another, using whole numbers up to 1,000.</p>	<p>Chapter 3: 3-3 & 3-4</p> <ul style="list-style-type: none"> • 3-3 Compare Numbers—pp. 119-122 • 3-4 Order Numbers Within 100—pp. 125-128 <p>Chapter 7: 7-6 & 7-7</p> <ul style="list-style-type: none"> • 7-6 Compare Numbers Within 1000—pp. 321-324 • 7-7 Order Numbers Within 1000—pp. 325-328
<p>2.Math.N.4 Develop fluency with basic number combinations for addition and subtraction of quantities up to 20.</p>	<p>Chapter 1: 1-1 through 1-7, 1-9 & 1-10</p> <ul style="list-style-type: none"> • 1-1 Addition Concepts—pp. 3-6 • 1-2 Put Together—pp. 7-10 • 1-3 Related Addition Facts—pp. 11-14 • 1-4 Count On to Add—pp. 15-18 • 1-5 Doubles and Near Doubles—pp. 19-22 • 1-6 Make 10 to Add—pp. 23-26 • 1-7 Three Addends—pp. 29-32 • 1-9 Solve for Unknown Addends—pp. 39-42 • 1-10 Patterns in Addition—pp. 43-46 <p>Chapter 2: 2-1 through 2-11</p> <ul style="list-style-type: none"> • 2-1 Subtraction Concepts—pp. 53-56 • 2-2 Take Apart—pp. 57-60 • 2-3 Subtract to Compare—pp. 61-64 • 2-4 Count On to Subtract—pp. 65-68 • 2-5 Related Subtraction Facts—pp. 69-72 • 2-6 Relate Addition and Subtraction—pp. 73-76 • 2-7 Fact Families—pp. 77-80 <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).

NUMBER

Second Grade Mathematics Standards	Sadlier Math, Grade 2
	<ul style="list-style-type: none"> • 2-8 Think Addition to Subtract—pp. 83-86 • 2-9 Use Addition to Check—pp. 87-90 • 2-10 Solve for Unknowns—pp. 91-94 • 2-11 Make 10 to Subtract—pp. 95-98
<p>2.Math.N.5 Use various strategies to solve problems with multiple steps that involve the addition or subtraction of numbers up to 1,000.</p>	<p>Chapter 4: 4-1 through 4-9</p> <ul style="list-style-type: none"> • 4-1 Use Models: Add Tens and Ones—pp. 145-148 • 4-2 Add Tens and Ones—pp. 149-152 • 4-3 Regroup Ones as Tens—pp. 155-158 • 4-4 Use Models: Two-Digit Addition with Regrouping—pp. 159-162 • 4-5 Two-Digit Addition with Regrouping—pp. 163-166 • 4-6 Rewrite Two-Digit Addition—pp. 167-170 • 4-7 Break Apart to Add—pp. 171-174 • 4-8 Three Addends—pp. 175-178 • 4-9 Four Addends—pp. 179-182 <p>Chapter 5: 5-1 through 5-9</p> <ul style="list-style-type: none"> • 5-1 Use Models: Subtract Tens and Ones—pp. 195-198 • 5-2 Subtract Tens and Ones—pp. 199-202 • 5-3 Regroup Tens as Ones—pp. 205-208 • 5-4 Use Models: Two-Digit Subtraction with Regrouping—pp. 209-212 • 5-5 Two-Digit Subtraction with Regrouping—pp. 213-216 • 5-6 Rewrite Two-Digit Subtraction—pp. 217-220 • 5-7 Break Apart to Subtract—pp. 221-224 • 5-8 Add to Check—pp. 225-228 • 5-9 Problem Solving: Write and Solve an Equation—pp. 229-234

ALGEBRA

Second Grade Mathematics Standards	Sadlier Math, Grade 2
<p>2.Math.A.1 Apply the commutative and associative properties of operations with whole numbers up to 100.</p>	<p>Chapter 1: 1-3</p> <ul style="list-style-type: none"> • 1-3 Related Addition Facts—pp. 11-14 <p>Chapter 4: 4-7 through 4-9</p> <ul style="list-style-type: none"> • 4-7 Break Apart to Add (associative and commutative properties)—pp. 171-174 • 4-8 Three Addends—pp. 175-178 • 4-9 Four Addends—pp. 179-182 <p>Chapter 8: 8-8</p> <ul style="list-style-type: none"> • 8-8 Use Properties to Add—pp. 373-376
<p>2.Math.A.2 Model situations that involve the addition and subtraction of whole numbers up to 1,000 using objects, pictures, and symbols.</p>	<p>Chapter 4: 4-1 through 4-9</p> <ul style="list-style-type: none"> • 4-1 Use Models: Add Tens and Ones—pp. 145-148 • 4-2 Add Tens and Ones—pp. 149-152 • 4-3 Regroup Ones as Tens—pp. 155-158 • 4-4 Use Models: Two-Digit Addition with Regrouping—pp. 159-162 • 4-5 Two-Digit Addition with Regrouping—pp. 163-166 • 4-6 Rewrite Two-Digit Addition—pp. 167-170 • 4-7 Break Apart to Add—pp. 171-174 <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).

ALGEBRA

Second Grade Mathematics Standards	Sadlier Math, Grade 2
	<ul style="list-style-type: none"> • 4-8 Three Addends—pp. 175-178 • 4-9 Four Addends—pp. 179-182 <p>Chapter 5: 5-1 through 5-8</p> <ul style="list-style-type: none"> • 5-1 Use Models: Subtract Tens and Ones—pp. 195-198 • 5-2 Subtract Tens and Ones—pp. 199-202 • 5-3 Regroup Tens as Ones—pp. 205-208 • 5-4 Use Models: Two-Digit Subtraction with Regrouping—pp. 209-212 • 5-5 Two-Digit Subtraction with Regrouping—pp. 213-216 • 5-6 Rewrite Two-Digit Subtraction—pp. 217-220 • 5-7 Break Apart to Subtract—pp. 221-224 • 5-8 Add to Check—pp. 225-228
<p>2.Math.A.3 Analyze the patterns generated by odd and even numbers.</p>	<p>Chapter 10: 10-1</p> <ul style="list-style-type: none"> • 10-1 Odd and Even Numbers—pp. 429-432
<p>2.Math.A.4 Recognize, describe, extend, and create patterns of shapes and numbers.</p>	<p>Chapter 1: 1-10</p> <ul style="list-style-type: none"> • 1-10 Patterns in Addition—pp. 43-46 <p>Chapter 3: 3-5</p> <ul style="list-style-type: none"> • 3-5 Counting Patterns by 2s, 5s, and 10s—pp. 129-132
<p>2.Math.A.5 Translate a pattern from one representation to another.</p>	<p>Chapter 7: 7-5</p> <ul style="list-style-type: none"> • 7-5 Skip Count Within 1000—pp. 317-320 <p>Chapter 8: 8-1</p> <ul style="list-style-type: none"> • 8-1 Mental Math: Add 1, 10, or 100—pp. 341-344 <p>Chapter 9: 9-1</p> <ul style="list-style-type: none"> • 9-1 Mental Math: Subtract 1, 10, or 100—pp. 383-386 <p>Chapter 10: 10-3 & 10-4</p> <ul style="list-style-type: none"> • 10-3 Arrays: Repeated Addition—pp. 439-442 • 10-4 Arrays: Show the Same Number—pp. 443-446

GEOMETRY

Second Grade Mathematics Standards	Sadlier Math, Grade 2
<p>2.Math.G.1 Sort, classify, and compare 2D and 3D shapes.</p>	<p>Chapter 13: 13-1 through 13-5</p> <ul style="list-style-type: none"> • 13-1 Identify Two-Dimensional Shapes—pp. 555-558 • 13-2 Draw Two-Dimensional Shapes—pp. 559-562 • 13-3 Identify Three-Dimensional Shapes—pp. 565-568 • 13-4 Faces, Edges, Vertices—pp. 569-572 • 13-5 Problem Solving: Use Logical Reasoning—pp. 573-578
<p>2.Math.G.2 Predict the results of putting together and taking apart 2D and 3D shapes, and draw or build the resulting shapes.</p>	
<p>2.Math.G.3 Recognize and create 2D shapes that have equal parts and/or symmetry.</p>	<p>Chapter 14: 14-1 through 14-4</p> <ul style="list-style-type: none"> • 14-1 Partition Rectangles into Rows and Columns—pp. 585-588 • 14-2 Halves—pp. 589-592 • 14-3 Thirds—pp. 595-598 • 14-4 Fourths—pp. 599-602

MEASUREMENT	
Second Grade Mathematics Standards	Sadlier Math, Grade 2
2.Math.M.1 Estimate and measure length and weight using standard units.	<p>Chapter 6: 6-1 through 6-5</p> <ul style="list-style-type: none"> • 6-1 Inches—pp. 241-244 • 6-2 Feet and Yards—pp. 245-248 • 6-3 Customary: Choose Tools and Units of Measure—pp. 249-252 • 6-4 Centimeters—pp. 253-256 • 6-5 Meters—pp. 257-260 <p>See also Grade 3 (estimate and measure mass)</p> <p>Chapter 11: 11-4</p> <ul style="list-style-type: none"> • 11-4 Estimate and Measure Mass—pp. 240-241 <p>See also Grade 4 (standard units of weight)</p> <p>Chapter 14: 14-4</p> <ul style="list-style-type: none"> • 14-4 Customary Units of Weight—pp. 302-303
2.Math.M.2 Develop common referents for measures to make comparisons and estimates.	<p>Chapter 6: 6-1 through 6-7</p> <ul style="list-style-type: none"> • 6-1 Inches—pp. 241-244 • 6-2 Feet and Yards—pp. 245-248 • 6-3 Customary: Choose Tools and Units of Measure—pp. 249-252 • 6-4 Centimeters—pp. 253-256 • 6-5 Meters—pp. 257-260 • 6-6 Metric: Choose Tools and Units of Measure—pp. 261-264 • 6-7 Measure Using Different Units—pp. 267-270 <p>See also Grade 3</p> <p>Chapter 11: 11-1 through 11-4</p> <ul style="list-style-type: none"> • 11-1 Measure Length—pp. 232-233 • 11-2 Estimate and Measure Liquid Volume—pp. 234-235 • 11-3 Operations with Liquid Volume—pp. 236-237 • 11-4 Estimate and Measure Mass—pp. 240-241
2.Math.M.3 Create and use a number line from zero to 20 as a measurement of length.	<p>See Grade 1</p> <p>Chapter 5: 5-6</p> <ul style="list-style-type: none"> • 5-6 Make and Use a Ruler—pp. 187-190
2.Math.M.4 Select an appropriate unit and tool for the attribute being measured.	<p>Chapter 6: 6-6</p> <ul style="list-style-type: none"> • 6-6 Metric: Choose Tools and Units of Measure—pp. 261-264
2.Math.M.5 Tell and write time to the nearest 5 minute interval.	<p>Chapter 12: 12-9 & 12-10</p> <ul style="list-style-type: none"> • 12-9 Hour and Half Hour—pp. 531-534 • 12-10 Five Minutes—pp. 535-538
2.Math.M.6 Use accurate money denominations to solve word problems.	<p>Chapter 12: 12-1 through 12-8</p> <ul style="list-style-type: none"> • 12-1 Pennies, Nickels, and Dimes—pp. 497-500 • 12-2 Quarters—pp. 501-504 • 12-3 Equal Amounts—pp. 505-508 • 12-4 Compare Money—pp. 509-512 • 12-5 Make Change—pp. 513-516 • 12-6 Add and Subtract Money—pp. 517-520 • 12-7 One Dollar—pp. 521-524 • 12-8 Paper Money—pp. 525-528

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).

DATA ANALYSIS	
Second Grade Mathematics Standards	<i>Sadlier Math, Grade 2</i>
<p>2.Math.D.1 Pose questions, and gather, organize, represent and interpret relevant data to answer them.</p>	<p>Chapter 11: 11-1 through 11-7</p> <ul style="list-style-type: none"> • 11-1 Read Line Plots—pp. 459-462 • 11-2 Make Line Plots—pp. 463-466 • 11-3 Read Picture Graphs—pp. 467-470 • 11-4 Make Picture Graphs—pp. 471-474 • 11-5 Read Bar Graphs—pp. 477-480 • 11-6 Make Bar Graphs—pp. 481-484 • 11-7 Problem Solving: Choose a Model—pp. 485-490
<p>2.Math.D.2 Discuss events in students' experiences as likely or unlikely.</p>	<p>See Grade 6</p> <p>Chapter 18: 18-3</p> <ul style="list-style-type: none"> • 18-3 Probability and Likelihood—online