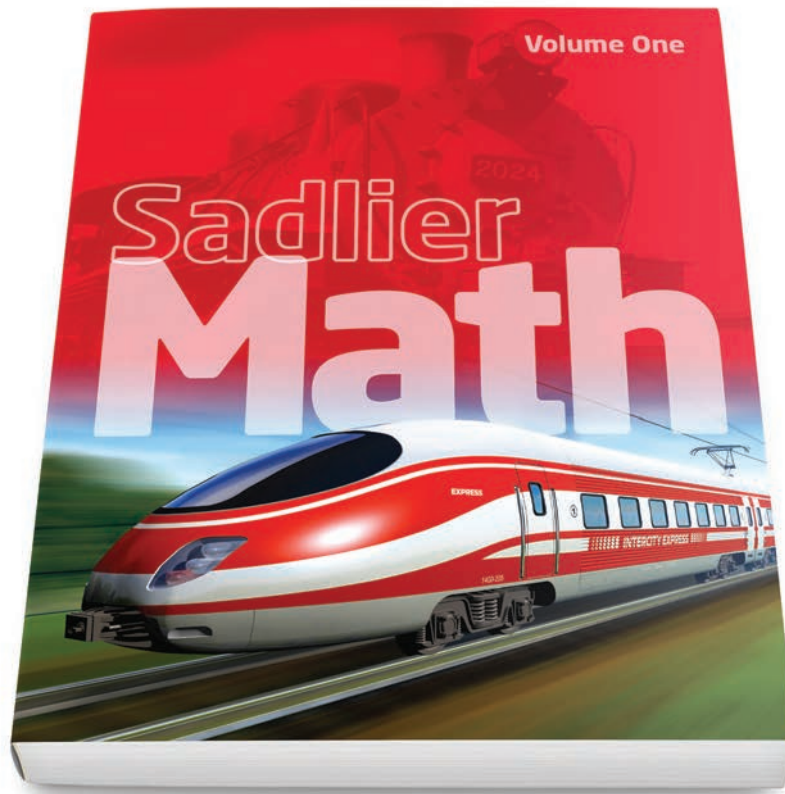


Sadlier Math™

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

Grade 1



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NUMBER	
First Grade Mathematics Standards	Sadlier Math, Grade 1
<p>1.Math.N.1 Determine “how many” are represented in sets of objects or figures with up to 120 items.</p>	<p>Chapter 6: 6-1 through 6-9</p> <ul style="list-style-type: none"> • 6-1 Tens and Ones—pp. 201-204 • 6-2 Tens Through One Hundred—pp. 205-208 • 6-3 Numbers 11 Through 19—pp. 209-212 • 6-4 Numbers 20 Through 39—pp. 213-216 • 6-5 Numbers 40 Through 59—pp. 219-222 • 6-6 Numbers 60 Through 89—pp. 223-226 • 6-7 Numbers 90 Through 100—pp. 227-230 • 6-8 Problem Solving: Use a Model—pp. 231-236 • 6-9 Count and Order Using Hundred Chart Patterns—pp. 237-240 <p>Chapter 7: 7-4</p> <ul style="list-style-type: none"> • 7-4 Numbers to 120—pp. 261-264
<p>1.Math.N.2 Use multiple models, such as pictures and physical objects, to describe orally and in written form, place values with whole numbers up to 120</p>	<p>Chapter 6: 6-1 through 6-9</p> <ul style="list-style-type: none"> • 6-1 Tens and Ones—pp. 201-204 • 6-2 Tens Through One Hundred—pp. 205-208 • 6-3 Numbers 11 Through 19—pp. 209-212 • 6-4 Numbers 20 Through 39—pp. 213-216 • 6-5 Numbers 40 Through 59—pp. 219-222 • 6-6 Numbers 60 Through 89—pp. 223-226 • 6-7 Numbers 90 Through 100—pp. 227-230 • 6-8 Problem Solving: Use a Model—pp. 231-236 • 6-9 Count and Order Using Hundred Chart Patterns—pp. 237-240 <p>Chapter 7: 7-1 through 7-5</p> <ul style="list-style-type: none"> • 7-1 Place Value of Digits—pp. 247-250 • 7-2 Expanded Form—pp. 251-254 • 7-3 Decompose Two-Digit Numbers—pp. 255-258 • 7-4 Numbers to 120—pp. 261-264 • 7-5 Number Patterns to 120—pp. 265-268
<p>1.Math.N.3 Recognize and represent common fractions, including $\frac{1}{2}$ and $\frac{1}{4}$.</p>	<p>Chapter 14: 14-1 through 14-5</p> <ul style="list-style-type: none"> • 14-1 Equal Shares—pp. 533-536 • 14-2 Make Halves—pp. 537-540 • 14-3 Make Fourths—pp. 541-544 • 14-4 Halves and Fourths—pp. 547-550 • 14-5 Problem Solving: Draw a Picture—pp. 551-556
<p>1.Math.N.4 Identify if a number or a visual representation of a number is greater than, less than, or equal to another, using whole numbers up to 120.</p>	<p>Chapter 7: 7-6 & 7-7</p> <ul style="list-style-type: none"> • 7-6 Compare Numbers—pp. 269-272 • 7-7 Order Numbers—pp. 273-276
<p>1.Math.N.5 Develop fluency with basic number combinations for addition and subtraction of quantities up to 10.</p>	<p>Chapter 1: 1-1 through 1-5</p> <ul style="list-style-type: none"> • 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 • 1-5 Related Addition Facts—pp. 21-24 <p>Chapter 3: 3-1 through 3-4</p> <ul style="list-style-type: none"> • 3-1 Subtract from 5 or Less—pp. 79-82 • 3-2 Subtract from 6 or Less—pp. 83-86 <p style="text-align: right;"><i>continued</i></p>

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NUMBER	
First Grade Mathematics Standards	Sadlier Math, Grade 1
	<ul style="list-style-type: none"> • 3-3 Subtract from 7 and 8—pp. 87-90 • 3-4 Subtract from 9 and 10—pp. 91-94 <p>Chapter 4: 4-1 through 4-3</p> <ul style="list-style-type: none"> • 4-1 Related Subtraction Facts—pp. 117-120 • 4-2 Relate Addition and Subtraction—pp. 121-124 • 4-3 Fact Families Through 10—pp. 125-128
<p>1.Math.N.6 Use various strategies to solve problems with multiple steps that involve the addition or subtraction of whole numbers up to 20.</p>	<p>Chapter 1: 1-5 & 1-6</p> <ul style="list-style-type: none"> • 1-5 Related Addition Facts—pp. 21-24 • 1-6 Count On to Add—pp. 25-28 <p>Chapter 3: 3-5 through 3-7</p> <ul style="list-style-type: none"> • 3-5 Problem Solving: Use a Model—pp. 97-102 • 3-6 Count On to Subtract—pp. 103-106 • 3-7 All or Zero—pp. 107-110 <p>Chapter 8: 8-1 through 8-8</p> <ul style="list-style-type: none"> • 8-1 Make 10 to Add—pp. 289-292 • 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 • 8-7 Three Addends—pp. 315-318 • 8-8 Problem Solving: Write and Solve an Equation—pp. 319-324 <p>Chapter 9: 9-1 through 9-9</p> <ul style="list-style-type: none"> • 9-1 Make 10 to Subtract—pp. 331-334 • 9-2 Subtract from 11 and 12—pp. 335-338 • 9-3 Subtract from 13 and 14—pp. 339-342 • 9-4 Subtract from 16 or Less—pp. 345-348 • 9-5 Subtract from 20 or Less—pp. 349-352 • 9-6 Fact Families Through 20—pp. 353-356 • 9-7 Problem Solving: Use a Number Sentence—pp. 357-362 • 9-8 True and False Equations—pp. 363-366 • 9-9 Missing Part of an Equation—pp. 367-370
ALGEBRA	
First Grade Mathematics Standards	Sadlier Math, Grade 1
<p>1.Math.A.1 Apply the commutative and associative properties of operations with whole numbers up to 20.</p>	<p>Chapter 1: 1-5</p> <ul style="list-style-type: none"> • 1-5 Related Addition Facts—pp. 21-24 <p>Chapter 2: 2-1 & 2-2</p> <ul style="list-style-type: none"> • 2-1 Add Three Numbers—pp. 41-44 • 2-2 Solve Addition Word Problems—pp. 45-48 <p>Chapter 3: 3-7</p> <ul style="list-style-type: none"> • 3-7 All or Zero—pp. 107-110 <p>Chapter 4: 4-3</p> <ul style="list-style-type: none"> • 4-3 Fact Families Through 10—pp. 125-128 <p style="text-align: right;"><i>continued</i></p>

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ALGEBRA	
First Grade Mathematics Standards	Sadlier Math, Grade 1
	<p>Chapter 8: 8-2 through 8-8</p> <ul style="list-style-type: none"> • 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 • 8-7 Three Addends—pp. 315–318 <p>Chapter 9: 9-2 through 9-6</p> <ul style="list-style-type: none"> • 9-2 Subtract from 11 and 12—pp. 335–338 • 9-3 Subtract from 13 and 14—pp. 339–342 • 9-4 Subtract from 16 or Less—pp. 345–348 • 9-5 Subtract from 20 or Less—pp. 349–352 • 9-6 Fact Families Through 20—pp. 353–356
<p>1.Math.A.2 Model situations that involve the addition or subtraction of whole numbers up to 120 using objects, pictures, and symbols.</p>	<p>Chapter 11: 11-1 through 11-9</p> <ul style="list-style-type: none"> • 11-1 Mental Math: Find 10 More—pp. 407–410 • 11-2 Add Tens—pp. 411–414 • 11-3 Add Two-Digit Numbers and Multiples of Ten—pp. 415–418 • 11-4 Add Two-Digit and One-Digit Numbers—pp. 419–422 • 11-5 Make a 10 to Add Two-Digit and One-Digit Numbers—pp. 423–426 • 11-6 Add Two-Digit Numbers—pp. 429–432 • 11-7 Make a 10 to Add Two-Digit Numbers—pp. 433–436 • 11-8 Break Apart to Add—pp. 437–440 • 11-9 Problem Solving: Use a Model—pp. 441–446 <p>Chapter 12: 12-1 through 12-5</p> <ul style="list-style-type: none"> • 12-1 Mental Math: Find 10 Less—pp. 453–456 • 12-2 Subtract Tens—pp. 457–460 • 12-3 Think Addition to Subtract Tens—pp. 461–464 • 12-4 Subtract Multiples of Ten from Two-Digit Numbers—pp. 467–470 • 12-5 Problem Solving: Guess and Test—pp. 471–476 <p>See also Grade 2 (numbers over 100)</p> <p>Chapter 8: 8-1 through 8-6, 8-8</p> <ul style="list-style-type: none"> • 8-1 Mental Math: Add 1, 10, or 100—pp. 341–344 • 8-2 Add Hundreds, Tens, and Ones—pp. 345–348 • 8-3 Add: Regroup Ones as Tens—pp. 349–352 • 8-4 Regroup Tens as Hundreds Using Models—pp. 353–356 • 8-5 Add: Regroup Tens as Hundreds—pp. 357–360 • 8-6 Add: Regroup Twice—pp. 363–366 • 8-8 Use Properties to Add—pp. 373–376 <p>Chapter 9: 9-1 through 9-6</p> <ul style="list-style-type: none"> • 9-1 Mental Math: Subtract 1, 10, or 100—pp. 383–386 • 9-2 Subtract Hundreds, Tens, and Ones—pp. 387–390 • 9-3 Subtract: Regroup Tens as Ones—pp. 391–394 • 9-4 Regroup Hundreds as Tens Using Models—pp. 395–398 • 9-5 Subtract: Regroup Hundreds as Tens—pp. 399–402 • 9-6 Subtract: Regroup Twice—pp. 405–408 • 9-7 Subtract: Regroup with Zeros—pp. 409–412 • 9-8 Problem Solving: More Than One Way—pp. 413–418 • 9-9 Use Addition to Check Subtraction: Three-Digit Numbers—pp. 419–422

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ALGEBRA	
First Grade Mathematics Standards	Sadlier Math, Grade 1
<p>1.Math.A.3 Recognize, describe, and extend patterns such as sequences of shapes and numbers.</p>	<p>Chapter 1: 1-6 • 1-6 Count On to Add—pp. 25-28</p> <p>Chapter 2: 2-3 • 2-3 Doubles and Doubles Plus 1—pp. 49-52</p> <p>Chapter 3: 3-6 & 3-7 • 3-6 Count On to Subtract—pp. 103-106 • 3-7 All or Zero—pp. 107-110</p> <p>Chapter 4: 4-7 • 4-7 Find Missing Addends—pp. 145-148</p> <p>Chapter 8: 8-1 • 8-1 Make 10 to Add—pp. 289-292</p> <p>Chapter 9: 9-1 • 9-1 Make 10 to Subtract—pp. 331-334</p>
<p>1.Math.A.4 Analyze the patterns generated when counting by two, fives, and tens.</p>	<p>Chapter 6: 6-2 & 6-9 • 6-2 Tens Through One Hundred (count by 10s)—pp. 205-208 • 6-9 Count and Order Using Hundred Chart Patterns (count by 2s, 5s, 10s)—pp. 237-240</p> <p>Chapter 7: 7-5 • 7-5 Number Patterns to 120 (count by 2s, 10s)—pp. 265-268</p> <p>Chapter 11: 11-2 • 11-2 Add Tens—pp. 411-414</p> <p>Chapter 15: 15-2 • 15-2 Half Hour (count by 5s)—pp. 567-570</p> <p>Chapter 16: 16-4 • 16-4 Count On by Dimes and Nickels (count by 5s, 10s)—pp. 605-608</p>
GEOMETRY	
First Grade Mathematics Standards	Sadlier Math, Grade 1
<p>1.Math.G.1 Identify, sort, and describe the characteristics of 2D and 3D shapes.</p>	<p>Chapter 13: 13-1, 13-2, 13-5, 13-6 & 13-8 • 13-1 Two-Dimensional Shapes—pp. 483-486 • 13-2 Attributes of Two-Dimensional Shapes—pp. 487-490 • 13-5 Three-Dimensional Shapes—pp. 501-504 • 13-6 Attributes of Three-Dimensional Shapes—pp. 505-508 • 13-8 Sort Two-Dimensional and Three-Dimensional Shapes—pp. 513-516</p>
<p>1.Math.G.2 Create 2D shapes that have symmetry.</p>	<p>Readiness</p> <p>Chapter 13: 13-3 • 13-3 Compose Two-Dimensional Shapes—pp. 491-494</p> <p>See Grade 4</p> <p>Chapter 17: 17-4 • 17-4 Symmetry (draw lines of symmetry)—pp. 376-377</p>

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GEOMETRY

First Grade Mathematics Standards	Sadlier Math, Grade 1
1.Math.G.3 Recognize and apply slides, flips, and turns using 2D shapes.	N/A

MEASUREMENT

First Grade Mathematics Standards	Sadlier Math, Grade 1
1.Math.M.1 Measure, compare, and order the lengths and weights of objects using nonstandard and standard units.	<p>Chapter 5: 5-3 through 5-7</p> <ul style="list-style-type: none"> • 5-3 Same-Size Length Units—pp. 171-174 • 5-4 Measure Length—pp. 175-178 • 5-5 Problem Solving: Use Logical Reasoning—pp. 181-186 • 5-6 Make and Use a Ruler—pp. 187-190 • 5-7 Inches—pp. 191-194 <p>See also Grade K (compare weights)</p> <p>Chapter 14: 14-5</p> <ul style="list-style-type: none"> • 14-5 Describe and Compare by Weight—pp. 531-534 <p>See also Grade 3 (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
1.Math.M.2 Tell and write time in half and full hours.	<p>Chapter 15: 15-1 through 15-3, 15-5</p> <ul style="list-style-type: none"> • 15-1 Hour—pp. 563-566 • 15-2 Half Hour—pp. 567-570 • 15-3 Time Patterns—pp. 573-576 • 15-5 Problem Solving: Use Logical Reasoning—pp. 581-586
1.Math.M.3 Add and subtract using various money denominations.	<p>Chapter 16: 16-3 & 16-4</p> <ul style="list-style-type: none"> • 16-3 Count On by Dimes and Pennies—pp. 601-604 • 16-4 Count On by Dimes and Nickels—pp. 605-608

DATA ANALYSIS

First Grade Mathematics Standards	Sadlier Math, Grade 1
1.Math.D.1 Gather, organize, and represent data using pictures, tables, and graphs.	<p>Chapter 10: 10-1 through 10-5</p> <ul style="list-style-type: none"> • 10-1 Read Tally Charts—pp. 377-380 • 10-2 Make Tally Charts—pp. 381-384 • 10-3 Read Picture Graphs—pp. 387-390 • 10-4 Make Picture Graphs—pp. 391-394 • 10-5 Problem Solving: Use a Model—pp. 395-400
1.Math.D.2 Pose questions and use data to answer questions.	

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