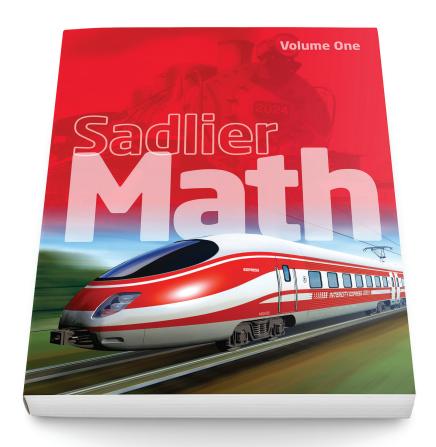
Sadlier School

Sadlier Math[™]

Correlation to the Archdiocese of Cincinnati Graded Course of Study for Mathematics 2012

Grade 1



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STANDARD 1 - NUMBER SENSE	
Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.1.1 Read, write, count, and compare whole numbers up to 120.	Chapter 6: 6-1 through 6-9 Chapter 7: 7-1 & 7-2
M.1.1.2 Separate, group, and count objects in ones and tens.	Chapter 6: 6-1 through 6-8 Chapter 7: 7-1 & 7-2
M.1.1.3 Identify the number of tens and ones in numbers less than 120.	Chapter 6: 6-1 through 6-8 Chapter 7: 7-1, 7-2 & 7-4
M.1.1.4 Identify, name and write the number that is one more than or one less than any number up to 120.	Chapter 7: 7-5
M.1.1.5 Create and use counting strategies and number patterns to compare whole numbers up to 120 recording the results of comparisons with the symbols < , = and > and arrange them in numerical order.	Chapter 7: 7-5
M.1.1.6 Solve routines of matching the number names (first, second, third, etc.) with an ordered set of at least 10.	Chapter 7: 7-7
M.1.1.7 Model solving routine and non-routine problems by acting them out, using manipulatives and drawing diagrams.	Chapter 1: 1-7 Chapter 3: 3-5 Chapter 4: 4-6 Chapter 11: 11-9 Chapter 14: 14-5
M.1.1.8 Understand and identify the meanings and functions of the equal, plus and minus signs.	Chapter 1: 1-1 & 1-2 Chapter 3: 3-1

STANDARD 2 - COMPUTATION AND PATTERNS

Grade 1 Content Standards

M.1.2.1 Model addition situations using concepts	Chapter 1: 1-1 (adding to), 1-2 (putting together),
of "part to whole", "adding to", "compare",	1-3 (part to whole), 1-6 (count on)
"putting together" and "increase".	Chapter 11: 11-1 (increase)

Sadlier Math, Grade 1

STANDARD 2 - COMPUTATION AND PATTERNS

Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.2.2 Apply properties of operations as strategies to add using commutative properties of addition (i.e., if 8 + 3 = 11 is known, then 3 + 8 = 11 is also known), also using associative and additive identity to add whole numbers (i.e., 2 + 6 + 4 = 2 + 10 = 12).	Chapter 1: 1-5 Chapter 2: 2-1 Chapter 3: 3-7 Chapter 4: 4-3 Chapter 8: 8-2 through 8-7 Chapter 9: 9-2 through 9-6
M.1.2.3 Use equivalent forms of the same number (up to 20) using objects, diagrams, and numbers (i.e., 14 as 8 + 6, 7 + 7, 13 + 1).	Chapter 1: 1-5 Chapter 2: 2-4 Chapter 4: 4-1 & 4-5 Chapter 8: 8-1, 8-2, 8-4 & 8-7 Chapter 9: 9-1 & 9-5
M.1.2.4 Use counting strategies, number patterns, and the role of zero to solve basic addition and subtraction fact problems.	Chapter 1: 1-6 Chapter 2: 2-3 Chapter 3: 3-6 & 3-7 Chapter 4: 4-7 Chapter 8: 8-1 Chapter 9: 9-1
M.1.2.5 Model subtraction using the concepts of "taking away", "comparing", "find the difference", "decreasing" and "less than".	Chapter 3: 3-1, 3-2, 3-4 & 3-7 (take away) Chapter 3: 3-4, 3-6 (find the difference) Chapter 4: 4-1 (take away), 4-4 (find the difference), 4-8 & 4-9 (subtract to compare) Chapter 9: 9-1, 9-4, 9-5 & 9-7 (take away) Chapter 9: 9-2 (find the difference) Chapter 9: 9-3 (whole, part)
M.1.2.6 Identify mastery of addition and subtraction facts (up to 20).	Chapter 1: 1-1 through 1-5 Chapter 2: 2-5 Chapter 4: 4-1 through 4-3 Chapter 8: 8-2 through 8-6 Chapter 9: 9-2 through 9-6
M.1.2.7 Model inverse relationship between addition and subtraction facts (i.e., 5 + 2 = 7, 7 - 2 = 5).	Chapter 4: 4-2, 4-4 & 4-5 Chapter 9: 9-6



STANDARD 2 - COMPLITATION AND DATTERNS

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STANDARD 2 - COMPUTATION AND PAITERNS	
Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.2.8 Compare and order whole numbers at least to 120. Read and write numerals to 120. Represent a written number for a number of objects	Chapter 6: 6-9 Chapter 7: 7-6 through 7-8
M.1.2.9 Represent two-digit numbers in terms of tens and ones.	Chapter 6: 6-1 through 6-8 Chapter 7: 7-1 & 7-2
M.1.2.10 Use mathematical reasoning and beginning understanding of tens and ones to solve two-digit addition and subtraction problems within 100 and adding a two-digit number and multiple of 10 using concrete models or drawings or strategies based on place value.	Chapter 11: 11- through 11-7 Chapter 12: 12-1 through 12-4
M.1.2.9 Solve routine and non-routine problems by acting them out, using manipulatives and drawing diagrams.	Chapter 1: 1-7 Chapter 3: 3-5 Chapter 4: 4-6 Chapter 11: 11-9 Chapter 14: 14-5

STANDARD 3 - ALGEBRA AND FUNCTIONS/DATA

Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.3.1 Use addition and subtraction within 20 to solve word problems involving unknowns in key positions. Use objects, drawings or equations with a symbol for unknown numbers to represent the problem.	Chapter 1: 1-1 through 1-7 Chapter 2: 2-1 through 2-7 Chapter 3: 3-1 through 3-7 Chapter 4: 4-1 through 4-9 Chapter 8: 8-1 through 8-9 Chapter 9: 9-1 through 9-9
M.1.3.2 Solve word problems that involve three whole numbers whose sum is less than or equal to 20.	Chapter 2: 2-1

STANDARD 3 - ALGEBRA AND FUNCTIONS/DATA

Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.3.3 Use the meaning of the equal sign to determine if equations involving addition and subtraction are true or false (i.e., 7 = 8 - 1, 4 + 3, 5 + 2).	Chapter 1: 1-1 & 1-2 Chapter 2: 2-7 Chapter 3: 3-1 Chapter 9: 9-8 (true and false equations)
M.1.3.4 Create and extend number patterns using addition and subtraction (i.e., 1, 3, 5 tell the next numbers in the pattern and also why 10, 7, 4).	Chapter 6: 6-9 Chapter 8: 8-4 & 8-6 (TE Mental Math) Chapter 11: 11-2 Chapter 15: 15-3
M.1.3.5 Organize, represent and interpret data with up to three categories using pictures and picture graphs and ask/answer questions about the data.	Chapter 10: 10-1 through 10-5

STANDARD 4 - GEOMETRY

Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.4.1 Identify, describe, compare, contrast, sort and draw: rectangles, triangles, squares and circles.	Chapter 13: 13-1 & 13-2
M.1.4.2 Identify triangles, rectangles, squares and circles as the faces of three-dimensional objects (face-compare to a flat side of a cereal box).	Chapter 13: 13-7
M.1.4.3 Identify and sort two-dimensional and three-dimensional objects.	Chapter 13: 13-1, 13-2, 13-5, 13-6 & 13-8
M.1.4.4 Identify and name geometric shapes in the environment and specify their location (i.e., school's ball fields, flagpole, cafeteria tray, etc.).	Chapter 13: 13-1, 13-2, 13-5 & 13-6
M.1.4.5 Arrange and describe objects in space by position and direction: near, far, under, over, up, down, in front of, in back of, left of, right of, etc	See Grade K Chapter 8: 8-1 through 8-7



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STANDARD 4 – GEOMETRY	
Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.4.6 Create a map that indicates specific directions for finding familiar landmarks or objects.	Chapter 9: Performance Assessment
M.1.4.7 Use appropriate vocabulary to compare shapes according to attributes and properties such as number and length of sides and number of vertices.	Chapter 13: 13-7
M.1.4.8 Compose and decompose plane and solid figures, including making predictions about them, in order to build an understanding of part to whole relationship and properties of shapes.	Chapter 13: 13-3, 13-4 & 13-9

STANDARD 5 - MEASUREMENT	
Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.5.1 Compare/contrast different units of measurement (i.e. inch, pound, ounce, foot, etc.).	Chapter 5: 5-7 (inch) See Grade 2 Chapter 6: 6-1 (inches), 6-2 (feet and yards), 6-3 (customary units), 6-4 (centimeters), 6-5 (meters), 6-6 (metric units), 6-7 (using different units) See Grade 3 Chapter 11: 11-4 (mass units)
M.1.5.2 Compare/contrast the length/width of different objects to make predictions of greater, less than, or equal to.	Chapter 5: 5-1 through 5-7
M.1.5.3 Measure and estimate the length of an object to the nearest inch.	Chapter 5: 5-4 & 5-6
M.1.5.4 Order three objects by length; compare the lengths of two objects indirectly by using a third object.	Chapter 5: 5-1 through 5-4

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STANDARD 5 - MEASUREMENT	
Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.5.5 Compare and order objects according to area, capacity, weight and temperature, using direct comparison or a non-standard unit.	See Grade K Chapter 14: 14-4 (height), 14-5 (weight) & 14-7 (temperature) See Grade 2 Chapter 11: 11-2 (capacity/volume) & 11-4 (mass)
M.1.5.6 Tell time and write time in hours and half hours using analog and digital clocks.	Chapter 15: 15-1 through 15-5
M.1.5.7 Identify by sight and value the following coins: pennies, nickels, dimes, and quarters.	Chapter 16: 16-1 & 16-2

STANDARD 6 - PROBLEM SOLVING	
Grade 1 Content Standards	Sadlier Math, Grade 1
M.1.6.1 Use addition and subtraction to solve word and numerical problems involving: taking away, putting together and taking apart.	Chapter 2: 2-5 & 2-7
M.1.6.2 Solve word problems for addition of three/four whole numbers whose sum is less than 100.	Chapter 8: 8-7
M.1.6.3 Use appropriate vocabulary to describe shapes and attributes of properties such as: numbers, lengths of sides and number of vertices.	Chapter 13: 13-1, 13-2 & 13-5 through 13-8, 13-10
M.1.6.4 Use mathematical reasoning and basic understanding of tens and ones to solve problems for two-digit addition and subtraction.	Chapter 6: 6-1 & 6-2
M.1.6.5 Extend repeating and extending patterns; fill in missing terms and justify reasoning.	Chapter 6: 6-9 Chapter 7: 7-5 Chapter 15: 15-3