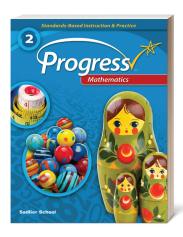
**SADLIER** 

# **Progress**Mathematics

Standards-Based Instruction & Practice



#### Aligned to

# Tennessee's State Mathematics Standards

# Grade 2

#### Contents

Operations and Algebraic Thinking	2
Number and Operations in Base Ten	2
Measurement and Data	3
Geometry	5



### Operations and Algebraic Thinking

Lesson 1	Problem Solving: Addition—pp. 10–17  Problem Solving: Subtraction—pp. 18–25
esson 2	Problem Solving: Subtraction—pp. 18–25
esson 3	Addition and Subtraction Facts to 20 (fluency)—pp. 26–33
esson 4	Odd and Even Numbers—pp. 34–41
esson 5	<b>Arrays</b> —pp. 42–55
_	esson 4

### Number and Operations in Base Ten

CLUS	ter / Standard	SADLIER PRO	GRESS MATHEMATICS, GRADE 2
Und	derstand place value.		
1.	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases		
	a. 100 can be thought of as a bundle of ten tens — called a "hundred."	Lesson 6	Place Value: Hundreds, Tens, and Ones—pp. 56-63
	b. The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).	Lesson 6	Place Value: Hundreds, Tens, and Ones—pp. 56-63
2.	Count within 1000; skip-count by 5s, 10s, and 100s.	Lesson 7	Skip Count by 5s, 10s, and 100s—pp. 64-71

### Number and Operations in Base Ten

Cluster / Standard		SADLIER PROGRESS MATHEMATICS, GRADE 2	
3.	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	Lesson 8	Read and Write Numbers to 1,000—pp. 72-79
4.	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.	Lesson 9	Compare Numbers—pp. 80–87
	place value understanding and properties operations to add and subtract.		
5.	Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or	Lesson 10	Add Two-Digit Numbers—pp. 88-95
	the relationship between addition and subtraction.	Lesson 11	Subtract Two-Digit Numbers—pp. 96–103
6.	Add up to four two-digit numbers using strategies based on place value and properties of operations.	Lesson 12	Add More than Two Numbers—pp. 104–111
7.	7. Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds	Lesson 13	Add Three-Digit Numbers within 1,000—pp. 112–119
		Lesson 14	Subtract Three- Digit Numbers within 1,000—pp. 120–127
8.	Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.	Lesson 15	Mentally Add and Subtract 10 or 100—pp. 128–145
9.	Explain why addition and subtraction strategies work, using place value and the properties of operations. (Explanations may be supported by drawings or objects.)	Lesson 10	Add Two-Digit Numbers—pp. 88-95
		Lesson 11	Subtract Two-Digit Numbers—pp. 96–103
Me	easurement and Data		

CLUS	ter / Standard	SADLIER PROGRESS MATHEMATICS, GRADE 2	
Mea	asure and estimate lengths in standard ts.		
1.	Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	Lesson 16	Measure Length: Inches and Feet—pp. 146– 153
		Lesson 17	Measure Length: Centimeters and Meters—pp. 154–161

#### Measurement and Data

			GRESS MATHEMATICS, GRADE 2
	Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.	Lesson 18	Use Different Units to Measure Length—pp. 162–169
	Estimate lengths using units of inches, feet, centimeters, and meters.	Lesson 19	Estimate Length—pp. 170–177
	Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.	Lesson 20	Compare Lengths—pp. 178–185
Relate	e addition and subtraction to length.		
	Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.	Lesson 21	Add and Subtract Lengths—pp. 186–193
,	Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,, and represent whole-number sums and differences within 100 on a number line diagram.	Lesson 22	Number Line Diagrams—pp. 194–201
Work	with time and money.		
	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	Lesson 23	Tell and Write Time—pp. 202–209
1	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and \$ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?	Lesson 24	<b>Money</b> —pp. 210–217
Repre	esent and interpret data.		
:	Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.	Lesson 25	Line Plots—pp. 218–225
	Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories.	Lesson 26	Picture Graphs—pp. 226-233
	Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.	Lesson 27	<b>Bar Graphs</b> —pp. 234–247

## Geometry

Cluster / Standard		SADLIER PROGRESS MATHEMATICS, GRADE 2	
Rea	ason with shapes and their attributes.		
1.	Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. (Sizes are compared directly or visually, not compared by measuring.)	Lesson 28	Identify and Draw Shapes—pp. 248–255
2.	Partition a rectangle into rows and columns of same- size squares and count to find the total number of them.	Lesson 29	Partition Rectangles into Same-Size—pp. 256–263
3.	Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths.  Recognize that equal shares of identical wholes need not have the same shape.	Lesson 30	Equal Shares—pp. 264–271