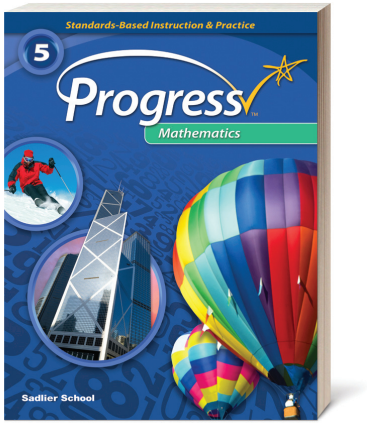
SADLIER

Progress Mathematics

Standards-Based Instruction & Practice



Aligned to the

Pennsylvania Core Standards for Mathematics

Grade 5

Contents

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2.1 Numbers and Operations

Mathematics Standards		Sadlier *Progress Mathematics*, Grade 5
(B) Numbers & Operations in Base Ten		
CC.2.1.5.B.1	Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals.	**Lesson 4** **Understand Place Value**—pp. 40–47
		Lesson 5 **Powers of 10: Use Patterns and Whole-Number Exponents**—pp. 48–55
		Lesson 6 **Read and Write Decimals to Thousandths**—pp. 56–63
		Lesson 7 **Compare Decimals to Thousandths**—pp. 64–71
		Lesson 8 **Round Decimals: Use Place Value**—pp. 72–79
CC.2.1.5.B.2	Extend an understanding of operations with whole numbers to perform operations including decimals.	**Lesson 9** **Multiply Fluently with Multi-Digit Numbers**—pp. 80–87
		Lesson 10 **Divide Whole Numbers: Use Place Value Strategies**—pp. 88–95
		Lesson 11 **Divide Whole Numbers: Use Properties of Operations**—pp. 96–103
		Lesson 12 **Add and Subtract Decimals to Hundredths**—pp. 104–111
		Lesson 13 **Add and Subtract Decimals to Hundredths**—pp. 104–111
		Lesson 14 **Divide Decimals to Hundredths**—pp. 120–127

2.1 Numbers and Operations

Mathematics Standards		Sadlier *Progress Mathematics*, Grade 5
(C) Numbers & Operations—Fractions		
CC.2.1.5.C.1	Use the understanding of equivalency to add and subtract fractions.	**Lesson 15** **Add and Subtract Fractions with Unlike Denominators**—pp. 134–141
		Lesson 16 **Problem Solving: Add and Subtract Fractions**—pp. 142–149
CC.2.1.5.C.2	Apply and extend previous understandings of multiplication and division to multiply and divide fractions.	**Lesson 17** **Interpret Fractions as Division**—pp. 150–157
		Lesson 19 **Find Areas of Rectangles: Tile and Multiply**—pp. 166–173
		Lesson 20 **Interpret Multiplication of Fractions as Scaling**—pp. 174–181

2.1 Numbers and Operations

Mathematics Standards	Sadlier *Progress Mathematics*, Grade 5
	Lesson 21 **Problem Solving: Multiply Fractions and Mixed Numbers**—pp. 182–189
	Lesson 22 **Divide Unit Fractions by Whole Numbers**—pp. 190–197
	Lesson 23 **Divide Whole Numbers by Unit Fractions**—pp. 198–205
	Lesson 24 **Problem Solving: Divide Unit Fractions and Whole Numbers**—pp. 206–213

2.2 Algebraic Concepts

Mathematics Standards		Sadlier *Progress Mathematics*, Grade 5
(A) Operations and Algebraic Thinking		
CC.2.2.5.A.1	Interpret and evaluate numerical expressions using order of operations.	**Lesson 1** **Use Grouping Symbols and Evaluate Numerical Expressions**—pp. 10–17
		Lesson 2 **Write and Interpret Numerical Expressions**—pp. 18–25
CC.2.2.5.A.4	Analyze patterns and relationships using two rules.	**Lesson 3** **Analyze Numerical Patterns**—pp. 26–33

2.3 Geometry

Mathematics Standards		Sadlier *Progress Mathematics*, Grade 5
(A) Geometry		
CC.2.3.5.A.1	Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems.	**Lesson 34** **Understand Points on the Coordinate Plane**—pp. 304–311
		Lesson 35 **Graph Points to Represent Problem Situations**—pp. 312–319
CC.2.3.5.A.2	Classify two-dimensional figures into categories based on an understanding of their properties.	**Lesson 36** **Analyze Properties to Classify Two-Dimensional Figures**—pp. 320–327

2.4 Measurement, Data, and Probability

Mathematics Standards		Sadlier *Progress Mathematics*, Grade 5
(A) Measurement and Data		
CC.2.4.5.A.1	Solve problems involving measurement and conversions from a larger unit to a smaller unit.	**Lesson 25** **Convert Customary Measurement Units**—pp. 226–233
		Lesson 26 **Convert Metric Measurement Units**—pp. 234–241
CC.2.4.5.A.2	Represent and interpret data using appropriate scale.	**Lesson 35** **Graph Points to Represent Problem Situations**—pp. 312–319
CC.2.4.5.A.4	Solve problems involving computation of fractions using information provided in a line plot.	**Lesson 27** **Problem Solving: Use Line Plots**—pp. 242–249
CC.2.4.5.A.5	Apply concepts of volume to solve problems and relate volume to multiplication and to addition.	**Lesson 28** **Understand Concepts of Volume Measurement**—pp. 250–257
		Lesson 29 **Measure Volume**—pp. 258–265
		Lesson 30 **Find Volume: Relate Packing of Unit Cubes to Multiplying**—pp. 266–273
		Lesson 31 **Find Volume: Use the Associate Property**—pp. 274–281
		Lesson 32 **Problem Solving: Apply Volume Formulas for Prisms**—pp. 282–289
		Lesson 33 **Problem Solving: Decompose Figures to Find Volume**—pp. 290–297