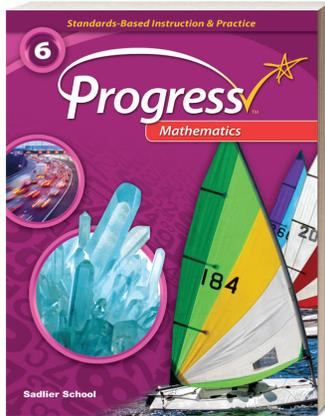


SADLIER

Progress Mathematics

Standards-Based Instruction & Practice



Aligned to the

Pennsylvania Core Standards for Mathematics

Grade 6

Contents

2.1	Number and Operations	2
2.2	Algebraic Concepts	3
2.3	Geometry	3
2.4	Measurement, Data, and Probability	4

2.1 Numbers and Operations

MATHEMATICS STANDARDS

(D) Ratios and Proportional Relationships

CC.2.1.6.D.1 Understand ratio concepts and use ratio reasoning to solve problems.

SADLIER PROGRESS MATHEMATICS, GRADE 6

Lesson 1
Understand Ratios and Unit Rates—pp. 10–17

Lesson 2
Use Ratio Tables to Find Equivalent Ratios—pp. 18–25

Lesson 3
Use Ratio Tables to Compare Ratios—pp. 26–33

Lesson 4
Solve Unit Rate Problems—pp. 34–41

Lesson 7
Convert Measurement Units—pp. 58–65

2.1 Numbers and Operations

MATHEMATICS STANDARDS

(E) The Number System

CC.2.1.6.E.1 Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

CC.2.1.6.E.2 Identify and choose appropriate processes to compute fluently with multi-digit numbers.

CC.2.1.6.E.3 Develop and/or apply number theory concepts to find common factors and multiples.

CC.2.1.6.E.4 Apply and extend previous understandings of numbers to the system of rational numbers.

SADLIER PROGRESS MATHEMATICS, GRADE 6

Lesson 9
Divide a Fraction by a Fraction—pp. 80–87

Lesson 10
Problem Solving: Fraction Division—pp. 88–95

Lesson 12
Add and Subtract Multi-digit Decimals—pp. 104–111

Lesson 13
Multiply and Divide Multi-digit Decimals—pp. 112–119

Lesson 14
Find the Greatest Common Factor and Least Common Multiple—pp. 120–127

Lesson 15
Understand Positive and Negative Numbers and Opposites—pp. 128–135

Lesson 16
Locate Points with Rational Coordinates—pp. 136–143

Lesson 17
Compare and Order Rational Numbers—pp. 144–151

Lesson 18
Understand Absolute Value—pp. 152–159

Lesson 18
Understand Absolute Value—pp. 152–159

Lesson 19
Problem Solving: The Coordinate Plane—pp. 160–167

2.2 Algebraic Concepts

MATHEMATICS STANDARDS

(B) Expressions & Equations

CC.2.2.6.B.1 Interpret and evaluate numerical expressions using order of operations.

CC.2.2.6.B.2 Understand the process of solving a one-variable equation or inequality and apply to real-world and mathematical problems.

CC.2.2.6.B.3 Represent and analyze quantitative relationships between dependent and independent variables.

2.3 Geometry

MATHEMATICS STANDARDS

(A) Geometry

CC.2.3.6.A.1 Apply appropriate tools to solve real-world and mathematical problems involving area, surface area, and volume.

SADLIER PROGRESS MATHEMATICS, GRADE 6

Lesson 20
Write and Evaluate Numerical Expressions with Exponents—pp. 174–181

Lesson 21
Write Algebraic Expressions to Record Operations—pp. 182–189

Lesson 22
Identify Parts of an Expression—pp. 190–197

Lesson 23
Evaluate Algebraic Expressions—pp. 198–205

Lesson 24
Generate and Identify Equivalent Expressions—pp. 206–213

Lesson 25
Identify Solutions to Equations and Inequalities—pp. 214–221

Lesson 26
Write Algebraic Expressions to Represent Problems—pp. 222–229

Lesson 27
Solve Equations of the Form $x + p = q$ —pp. 230–237

Lesson 28
Solve Equations of the Form $px = q$ —pp. 238–245

Lesson 29
Graph Solutions to Inequalities—pp. 246–253

Lesson 30
Represent Relationships Between Variables—pp. 254–261

SADLIER PROGRESS MATHEMATICS, GRADE 6

Lesson 31
Find Areas of Parallelograms and Triangles—pp. 268–275

Lesson 32
Find Areas of Polygons—pp. 276–283

Lesson 33
Problem Solving: Use Line Plot—pp. 284–291

Lesson 34
Plot and Analyze Polygons in the Coordinate Plane—pp. 292–299

Lesson 35
Use Nets to Find Surface Area—pp. 300–307

2.4 Measurement, Data, and Probability

MATHEMATICS STANDARDS

(B) Statistics and Probability

CC.2.4.6.B.1 Use a set of numerical data to develop an understanding of and recognize statistical variability.

CC.2.4.6.B.2 Use numerical data and apply statistical properties to summarize and describe a distribution.

SADLIER PROGRESS MATHEMATICS, GRADE 6

Lesson 36
Understand Statistical Questions and Describe Data—pp. 314–321

Lesson 37
Find the Median and Interquartile Range—pp. 322–329

Lesson 38
Find the Mean and Mean Absolute Deviation—pp. 330–337

Lesson 39
Display Numerical Data—pp. 338–345

Lesson 40
Summarize Numerical Data—pp. 346–353