

Skowhegan Are Middle School Mathematics Grade 7

Textbook used: Glencoe McGraw–Hill Math Connects Course 2 Volume 1 and 2
This textbook is aligned with the Common Core.
All tests are common among the four communities at SAMS.

Start Smart Review:

Teach pages 4–12 Topics covered: Review Decimal Place Value and Rounding, Addition and Subtraction of Decimals, Problem Solving, Multiplying and Dividing Decimals

Start Smart Test

Chapter 1 Expressions and Patterns

Teach pages 25–41 Topics covered: Powers and Exponents, Numerical Expressions, Order of Operations, Algebraic Expressions and Properties

Test 1A

Teach pages 43–60 Topics covered: Looking for a Pattern and Sequences, Perfect Squares, Squares, Square Roots and Estimating Square Roots

Test 1B

Chapter 2 Integers

Teach pages 76–98 Topics covered: Absolute Value, Integers and Absolute Value, Coordinate Plane, Adding and Subtracting Integers

Test 2A

Teach pages 100–113 Topics covered: Looking for a Pattern, Multiplying and Dividing Integers

Chapter 2 Final Test

Chapter 3 Rational Numbers

Review: Topics covered: Reducing Fractions, Converting a Mixed Number to an Improper Fraction and vice versa

Teach pages 128–156
160–173 Topics covered: Terminating and Repeating Decimals, Comparing and Ordering Rational Numbers, Adding and Subtracting Like, Unlike and Mixed Number Fractions, Multiplying and Dividing Fractions

Test 3A

Teach pages 176–189 Topics covered: Multiplying and Dividing Monomials, Negative Exponents and Scientific Notation

Test 3B

Chapter 4 Equations and Inequalities

Teach pages 202–226
Omit pages 204–207 Topics covered: Working Backwards, One Step Equations–Add/Sub, Mult/Divide, Solving Equations with Rational Coefficients

Test 4A

Teach pages 230–239
244–253 Topics covered: Solving Two Step Equations with Variables on each side and Solving Inequalities–Add/Sub/Mult/Divide

Chapter 4 Test

Chapter 5 Proportions and Similarities

Teach pages 266–280 Topics covered: Rates, Proportional
284–290 and Non-Proportional Relationships,
293–302 Solving Proportions, Scale Drawings,
Similar Figures, Perimeter and Area of
Similar Figures

Chapter 5 Test

Chapter 6 Percent

Teach pages 320–336 Topics covered: Percent of a
346–362 Number, Estimation, Finding Percents, The
Percent Proportion, Percent of Change,
Sales Tax and Tips, Discount and Simple
Interest

Chapter 6 Test

Chapter 12 Polygons and Transformations

Teach pages 674–698 Topics covered: Angle Relationships,
Triangles, Quadrilaterals, Polygons and
Angles

Chapter 12 Test

Chapter 8 Probability and Predictions

Teach pages 429–447 Topics covered: Probability and Simple
450–455 Events, Sample Spaces, Counting
458–476 Outcomes and Permutations(Also teach
Omit Page 463 Factorials and Permutation Notation),
Independent and Dependent Events,
Theoretical and Experimental Probability,
Fair and Unfair Games, Using Data to
Predict and Unbiased and Biased Samples

Chapter 8 Test

Chapter 9 Statistical Displays

Teach pages 491–509
514–524
534–539

Topics covered: Measures of Central Tendency, Measure of Variation, Box and Whisker Plots, Circle Graphs, Histograms, Scatter Plots and Line of Best Fit

Chapter 9 Final Test