

Pacing Guide

Unit 1: Whole Numbers

- 1.1 Introduction to Whole Numbers
- 1.2 Place Value of Whole Numbers
- 1.3 Rounding Whole Numbers
- 1.4 Roman Numerals
- 1.5 Patterns
- Unit 1 Review
- Unit 1 Test

Unit 1 Completion – 7 Days

Unit 2: Integers

- 2.1 Introduction to Integers
- 2.2 Integers and Absolute Value
- 2.3 Graphing Integers on a Number Line
- 2.4 Comparing and Ordering Integers
- 2.5 Adding Integers
- 2.6 Subtracting Integers
- 2.7 Multiplying Integers
- 2.8 Dividing Integers
- Unit 2 Review
- Unit 2 Test

Unit 2 Completion – 10 Days

Unit 3: Variables and Expressions

- 3.1 Introduction to Variables and Expressions
- 3.2 Writing Expressions
- 3.3 Evaluating Expressions
- 3.4 Order of Operations
- 3.5 Equivalent Operations
- 3.6 Evaluating Expressions Using Substitution
- 3.7 Properties of Real Numbers
- 3.8 Like Terms
- 3.9 Distributive Property
- Unit 3 Review
- Unit 3 Test

Unit 3 Completion – 11 Days

Unit 4: Rational Numbers

- 4.1 Introduction to Rational Numbers
- 4.2 Divisibility Rules
- 4.3 Factors and Multiples
- 4.4 Prime Numbers
- 4.5 Prime Factors
- 4.6 Exponents
- 4.7 Greatest Common Factor
- 4.8 Least Common Multiple
- Unit 4 Review
- Unit 4 Test

Unit 4 Completion – 10 Days

Unit 5: Fractions

- 5.1 Introduction to Fractions
- 5.2 Equivalent Fractions and Simplifying
- 5.3 Improper Fractions and Mixed Numbers
- 5.4 Multiplying Fractions
- 5.5 Reciprocals and Dividing Fractions
- 5.6 Relating Multiplication and Division
- 5.7 Cancelling to Simplify Multiplication and Division
- 5.8 Adding and Subtracting Fractions with Like Denominators
- 5.9 Comparing Fractions and Common Denominators
- 5.10 Adding and Subtracting Fractions with Unlike Denominators
- Unit 5 Review
- Unit 5 Test

Unit 5 Completion – 12 Days

Unit 6: Equations

- 6.1 Introduction to Equations
- 6.2 Problem Solving with Equations
- 6.3 Solving Equations Using Addition and Subtraction
- 6.4 Solving Equations Using Multiplication and Division
- 6.5 Solving Equations Using Reciprocals
- 6.6 Solving Multistep Equations with Variables on Both Sides
- 6.7 Solving Multistep Equations with Fractions
- 6.8 Writing Equations

Unit 6 Review

Unit 6 Test

Unit 6 Completion – 10 Days

Unit 7: Inequalities

7.1 Introduction to Inequalities

7.2 Graphing Inequalities on a Number Line

7.3 Addition and Subtraction Properties of Inequalities

7.4 Multiplication and Division Properties of Inequalities

7.5 Conjunctions and Disjunctions

7.6 Solving Inequalities

Unit 7 Review

Unit 7 Test

Unit 7 Completion – 8 Days

Unit 8: The Coordinate Plane

8.1 Introduction to the Coordinate Plane

8.2 Graphing a Coordinate Point

8.3 Using a Table of Values

8.4 First Differences

8.5 X and Y – Intercepts and Standard Form

8.6 Classifying Slope

8.7 Calculating Slope

8.8 Slope-Intercept Form

8.9 Graphing Inequalities

8.10 Changing from Standard Form to Slope-Intercept Form

Unit 8 Review

Unit 8 Test

Unit 8 Completion – 12 Days

Pre-Algebra Midterm

Midterm Review – 3 Days

Midterm Exam – 1 Day

Midterm Completion – 4 Days

Unit 9: Decimals

9.1 Introduction to Decimals

9.2 Decimals and Estimation

9.3 Decimals to Fractions

9.4 Fractions to Decimals

9.5 Scientific Notation

9.6 Repeating and Terminating Decimals

Unit 9 Review

Unit 9 Test

Unit 9 Completion – 8 Days

Unit 10: Percent

10.1 Introduction to Percent

10.2 Decimals and Percent

10.3 Finding the Percent of a Number

10.4 Simple Interest

10.5 Compound Interest

10.6 Discount

10.7 Percent of Change

Unit 10 Review

Unit 10 Test

Unit 10 Completion – 9 Days

Unit 11: Polynomials

11.1 Introduction to Polynomials

11.2 Adding Polynomials

11.3 Subtracting Polynomials

11.4 Multiplying Polynomials

11.5 Common Factoring

Unit 11 Review

Unit 11 Test

Unit 11 Completion – 7 Days

Unit 12: Triangles

12.1 Introduction to Triangles

12.2 Triangle Classification

12.3 Square Roots

12.4 Pythagorean Theorem

Unit 12 Review

Unit 12 Test

Unit 12 Completion – 6 Days

Unit 13: 2D Geometry

- 13.1 Introduction to 2D Geometry
- 13.2 Parallel and Perpendicular Lines
- 13.3 Classifying Polygons
- 13.4 Interior Angles of Polygons
- 13.5 Exterior Angles of Polygons
- 13.6 Perimeter
- 13.7 Area
- 13.8 Circumference of a Circle
- 13.9 Area of a Circle
- 13.10 Area of Irregular Shapes
- 13.11 Perimeter of Irregular Shapes
- Unit 13 Review
- Unit 13 Test

Unit 13 Completion – 13 Days

Unit 14: Surface Area and Volume

- 14.1 Introduction to 3D Geometry
- 14.2 Surface Area of a Rectangular Prism
- 14.3 Surface Area of Pyramids
- 14.4 Surface Area of Cylinders
- 14.5 Volume of Rectangular Prisms
- 14.6 Volume of Cylinders and Triangular Prisms
- 14.7 Volume of Pyramids and Cones
- 14.8 Volume and Surface Area of a Sphere

Unit 14 Review

Unit 14 Test

Unit 14 Completion – 10 Days

Unit 15: Analyzing Data

15.1 Introduction to Analyzing Data

15.2 Pictographs and Line Graphs

15.3 Bar Graphs

15.4 Stem-and-Leaf Plots

15.5 Measures of Central Tendency

15.6 Measures of Central Tendency Part II

15.7 Box-and-Whisker Plots

15.8 Circle Graphs

Unit 15 Review

Unit 15 Test

Unit 15 Completion – 10 Days

Unit 16: Probability

16.1 Introduction to Probability

16.2 Ratio and Proportion

16.3 Unit Rate and Proportions

16.4 Simple Probability

16.5 Independent Events

16.6 Dependent Events

16.7 Fundamental Counting Principle

Unit 16 Review

Unit 16 Test

Unit 16 Completion – 9 Days

Pre-Algebra Final Exam

Final Exam Review – 3 Days

Final Exam – 1 Day

Final Exam Completion – 4 Days

Note: One day is allotted for each lesson, unit test and unit review.

Total: 160 Days

32 five-day weeks or 40 four-day weeks