

Pacing Guide

Unit 1 Whole Numbers	7 Days
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
Review	
Test	

Unit 2 Integers	10 Days
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
Review	
Test	

Unit 3 Variables and Expressions	11 Days
3.1	Introduction to Variables and Expressions
3.2	Writing Expressions
3.3	Evaluating Expressions ²¹
3.4	Order of Operations
3.5	Equivalent Expressions
3.6	Evaluating Expressions using Substitution
3.7	Properties of Real Numbers
3.8	Like Terms
3.9	Distributive Property
Review	
Test	

Unit 4 Rational Numbers	10 Days
4.1	Introduction to Rational Numbers
4.2	Divisibility
4.3	Factors and Multiples
4.4	Prime Numbers
4.5	Prime Factors
4.6	Exponents
4.7	The Greatest Common Factor
4.8	The Least Common Multiple
Review	
Test	

Unit 5 Fractions	12 Days
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
5.8	Adding and Subtracting Fractions with Like Denominators
5.9	Comparing Fractions
5.10	Adding and Subtracting Fractions with Unlike Denominators
Review	
Test	

Unit 6 Equations	10 Days
6.1	Introduction to Equations
6.2	Problem Solving with Equations
6.3	Solving Equations Using Adding and Subtracting
6.4	Solving Equations Using Multiplying and Dividing
6.5	Solving Equations Using Reciprocals

6.6	Solving Equations with Variables on Both Sides
6.7	Solving Multi-step Equations with Fractions
6.8	Writing an Equation
Review	
Test	

Unit 7 Inequalities	8 Days
7.1	Introduction to Inequalities
7.2	Graphing Inequalities on a Number Line
7.3	Adding and Subtracting Inequalities
7.4	Multiplication and Division Properties of Inequalities
7.5	Disjunctions and Conjunctions
7.6	Solving Inequalities
Review	
Test	

Unit 8 The Coordinate Plane	12 Days
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 of a Linear Equation into Slope Intercept Form of an Equation
Review	
Test	

Review for Midterm – 2 Days

Midterm Exam – 1 Day

Unit 9 Decimals	8 Days
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
Review	
Test	

Unit 10 Percent	9 Days
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
Review	
Test	

Unit 11 Polynomials	7 Days
11.1	Introduction to Polynomials
11.2	Adding Polynomials
11.3	Subtracting Polynomials
11.4	Multiplying Polynomials
11.5	Common Factors
Review	
Test	

Unit 12 Triangles	6 Days
12.1	Introduction to Triangles
12.2	Triangle Classification
12.3	Square Roots
12.4	Pythagorean Formula
Review	
Test	

Unit 13 2D Geometry	13-14 Days
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
13.9	Area of a Circle
13.10	Area of Irregular Shapes
13.11	Perimeter of Irregular Shapes
Review	1-2 Days
Test	

Unit 14 Surface Area and Volume	10-11 Days
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
Review	1-2 Days
Test	

Unit 15 Analyzing Data	9 Days
15.1	Introduction 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	Box-and-Whisker Plots
15.7	Circle Graphs
Review	
Test	

Unit 16 Probability	9 Days
16.1	Introduction to Probability
16.2	Ratio and Proportion
16.3	Measurement Conversion
16.4	Simple Probability
16.5	Independent Events
16.6	Dependent Events
16.7	Fundamental Counting Principle
Review	
Test	

Final Exam Review – 2 Days

Final Exam – 1 Day

Total 159 Days

Divided into 5 day weeks = 32 weeks

Divided into 4 day weeks = 40 weeks