

## Prealgebra

### Course Lesson Plan: 30 weeks

Welcome to Thinkwell's Homeschool Prealgebra! We're thrilled that you've decided to make us part of your homeschool curriculum. This lesson plan is meant to be a guide for you and your homeschool student. Each day, you'll tackle a different topic and all the materials associated with that topic, such as video lectures, exercises, and notes. If you follow our day-by-day schedule, you'll complete the full curriculum for the course in 30 weeks. Feel free to modify and amend the plan as it best works for you. And, as always, please [let us know](#) what we can do to help get you up and running with Thinkwell's Prealgebra!

<b>Week 1</b>	
Chapter 1: Whole Numbers	
Assignments	Notes
<b><u>Week 1, Day 1</u></b> <input type="checkbox"/> 1.1.1 Reading and Writing Whole Numbers	
<b><u>Week 1, Day 2</u></b> <input type="checkbox"/> 1.1.2 Rounding Whole Numbers	
<b><u>Week 1, Day 3</u></b> <input type="checkbox"/> 1.2.1 Adding Whole Numbers	
<b><u>Week 1, Day 4</u></b> <input type="checkbox"/> 1.2.2 Subtracting Whole Numbers	
<b><u>Week 1, Day 5</u></b> <input type="checkbox"/> 1.2.3 Multiplying Whole Numbers	

<b>Week 2</b>	
Chapter 1: Whole Numbers	
Chapter 1 Test	
Chapter 2: Integers	
Assignments	Notes
<b><u>Week 2, Day 1</u></b> <input type="checkbox"/> 1.2.4 Dividing Whole Numbers	
<b><u>Week 2, Day 2</u></b> <input type="checkbox"/> 1.2.5 Properties	
<b><u>Week 2, Day 3</u></b> <input type="checkbox"/> Chapter 1 Practice Test	
<b><u>Week 2, Day 4</u></b> <input type="checkbox"/> Chapter 1 Test	Chapter 1 Test Score: _____
<b><u>Week 2, Day 5</u></b> <input type="checkbox"/> 2.1.1 Integers and the Number Line	

<b>Week 3</b> Chapter 2: Integers	
Assignments	Notes
<b><u>Week 3, Day 1</u></b> <input type="checkbox"/> 2.2.1 Addition of Integers	
<b><u>Week 3, Day 2</u></b> <input type="checkbox"/> 2.2.2 Subtraction of Integers	
<b><u>Week 3, Day 3</u></b> <input type="checkbox"/> 2.2.3 Multiplication and Division of Integers	
<b><u>Week 3, Day 4</u></b> <input type="checkbox"/> 2.2.4 Introduction to Exponents	
<b><u>Week 3, Day 5</u></b> <input type="checkbox"/> 2.2.5 Using the Order of Operations	

<b>Week 4</b> Chapter 2 Test Chapter 3: Fractions	
Assignments	Notes
<b><u>Week 4, Day 1</u></b> <input type="checkbox"/> Chapter 2 Practice Test	
<b><u>Week 4, Day 2</u></b> <input type="checkbox"/> Chapter 2 Test	Chapter 2 Test Score: _____
<b><u>Week 4, Day 3</u></b> <input type="checkbox"/> 3.1.1 Factors, Multiples, and Equivalent Fractions	
<b><u>Week 4, Day 4</u></b> <input type="checkbox"/> 3.1.1 Factors, Multiples, and Equivalent Fractions (cont.)	
<b><u>Week 4, Day 5</u></b> <input type="checkbox"/> 3.2.1 Multiplying Fractions and Mixed Numbers	

<b>Week 5</b> Chapter 3: Fractions Chapter 3 Test	
Assignments	Notes
<b><u>Week 5, Day 1</u></b> <input type="checkbox"/> 3.2.2 Dividing Fractions and Mixed Numbers	
<b><u>Week 5, Day 2</u></b> <input type="checkbox"/> 3.2.3 Adding and Subtracting Fractions and Mixed Numbers	
<b><u>Week 5, Day 3</u></b> <input type="checkbox"/> 3.2.3 Adding and Subtracting Fractions and Mixed Numbers (cont.)	
<b><u>Week 5, Day 4</u></b> <input type="checkbox"/> Chapter 3 Practice Test	
<b><u>Week 5, Day 5</u></b> <input type="checkbox"/> Chapter 3 Test	Chapter 3 Test Score: _____

<b>Week 6</b> Chapter 4: Decimals	
Assignments	Notes
<b><u>Week 6, Day 1</u></b> <input type="checkbox"/> 4.1.1 Representing, Comparing, and Ordering Decimals	
<b><u>Week 6, Day 2</u></b> <input type="checkbox"/> 4.1.2 Rounding and Estimating Decimals	
<b><u>Week 6, Day 3</u></b> <input type="checkbox"/> 4.2.1 Adding and Subtracting Decimals	
<b><u>Week 6, Day 4</u></b> <input type="checkbox"/> 4.2.2 Multiplying Decimals	
<b><u>Week 6, Day 5</u></b> <input type="checkbox"/> 4.2.3 Dividing Decimals	

<b>Week 7</b> Chapter 4: Decimals Chapter 4 Test Chapter 5: Variables, Expressions, and Equations	
Assignments	Notes
<b><u>Week 7, Day 1</u></b> <input type="checkbox"/> 4.3.1 Converting between Fractions and Decimals	
<b><u>Week 7, Day 2</u></b> <input type="checkbox"/> 4.3.2 The Order of Operations with Fractions and Decimals	
<b><u>Week 7, Day 3</u></b> <input type="checkbox"/> Chapter 4 Practice Test	
<b><u>Week 7, Day 4</u></b> <input type="checkbox"/> Chapter 4 Test	Chapter 4 Test Score: _____
<b><u>Week 7, Day 5</u></b> <input type="checkbox"/> 5.1.1 Variables and Expressions	

<b>Week 8</b> Chapter 5: Variables, Expressions, and Equations	
Assignments	Notes
<b><u>Week 8, Day 1</u></b> <input type="checkbox"/> 5.1.2 Translating Between Words and Math	
<b><u>Week 8, Day 2</u></b> <input type="checkbox"/> 5.1.3 Simplifying Algebraic Expressions	
<b><u>Week 8, Day 3</u></b> <input type="checkbox"/> 5.1.4 Translating Between Tables and Expressions	
<b><u>Week 8, Day 4</u></b> <input type="checkbox"/> 5.1.5 Equations and Their Solutions	
<b><u>Week 8, Day 5</u></b> <input type="checkbox"/> 5.2.1 Solving Addition Equations	

<b>Week 9</b> Chapter 5: Variables, Expressions, and Equations Chapter 5 Test	
Assignments	Notes
<b><u>Week 9, Day 1</u></b> <input type="checkbox"/> 5.2.2 Solving Subtraction Equations	
<b><u>Week 9, Day 2</u></b> <input type="checkbox"/> 5.2.3 Solving Multiplication Equations	
<b><u>Week 9, Day 3</u></b> <input type="checkbox"/> 5.2.4 Solving Division Equations	
<b><u>Week 9, Day 4</u></b> <input type="checkbox"/> Chapter 5 Practice Test	
<b><u>Week 9, Day 5</u></b> <input type="checkbox"/> Chapter 5 Test	Chapter 5 Test Score: _____

<b>Week 10</b> Midterm Exam Chapter 6: Solving Equations and Inequalities	
Assignments	Notes
<b><u>Week 10, Day 1</u></b> <input type="checkbox"/> Study for Midterm Exam	
<b><u>Week 10, Day 2</u></b> <input type="checkbox"/> Study for Midterm Exam	
<b><u>Week 10, Day 3</u></b> <input type="checkbox"/> Practice Midterm Exam	
<b><u>Week 10, Day 4</u></b> <input type="checkbox"/> Midterm Exam	Midterm Exam Score: _____
<b><u>Week 10, Day 5</u></b> <input type="checkbox"/> 6.1.1 Solving Equations Containing Integers	

<b>Week 11</b> Chapter 6: Solving Equations and Inequalities	
Assignments	Notes
<b><u>Week 11, Day 1</u></b> <input type="checkbox"/> 6.1.2 Writing and Solving Two-Step Equations	
<b><u>Week 11, Day 2</u></b> <input type="checkbox"/> 6.1.2 Writing and Solving Two-Step Equations (cont.)	
<b><u>Week 11, Day 3</u></b> <input type="checkbox"/> 6.1.3 Writing and Solving Multi-Step Equations	
<b><u>Week 11, Day 4</u></b> <input type="checkbox"/> 6.1.4 Solving Equations with Variables on Both Sides	
<b><u>Week 11, Day 5</u></b> <input type="checkbox"/> 6.2.1 Inequalities	

<b>Week 12</b> Chapter 6: Solving Equations and Inequalities Chapter 6 Test	
Assignments	Notes
<b><u>Week 12, Day 1</u></b> <input type="checkbox"/> 6.2.2 Solving Inequalities by Adding or Subtracting	
<b><u>Week 12, Day 2</u></b> <input type="checkbox"/> 6.2.3 Solving Inequalities by Multiplying or Dividing	
<b><u>Week 12, Day 3</u></b> <input type="checkbox"/> 6.2.4 Solving Two-Step Inequalities	
<b><u>Week 12, Day 4</u></b> <input type="checkbox"/> Chapter 6 Practice Test	
<b><u>Week 12, Day 5</u></b> <input type="checkbox"/> Chapter 6 Test	Chapter 6 Test Score: _____

<b>Week 13</b> Chapter 7: Ratios, Proportions, and Percents	
Assignments	Notes
<b><u>Week 13, Day 1</u></b> <input type="checkbox"/> 7.1.1 Ratios and Rates	
<b><u>Week 13, Day 2</u></b> <input type="checkbox"/> 7.1.2 Proportions	
<b><u>Week 13, Day 3</u></b> <input type="checkbox"/> 7.1.3 Finding an Unknown Value in a Proportion	
<b><u>Week 13, Day 4</u></b> <input type="checkbox"/> 7.1.4 Applications of Proportions	
<b><u>Week 13, Day 5</u></b> <input type="checkbox"/> 7.2.1 Introduction to Percents	

<b>Week 14</b> Chapter 7: Ratios, Proportions, and Percents	
Assignments	Notes
<b><u>Week 14, Day 1</u></b> <input type="checkbox"/> 7.2.2 Percents	
<b><u>Week 14, Day 2</u></b> <input type="checkbox"/> 7.2.3 Relating Percents, Decimals, and Fractions	
<b><u>Week 14, Day 3</u></b> <input type="checkbox"/> 7.2.4 Estimating with Percents	
<b><u>Week 14, Day 4</u></b> <input type="checkbox"/> 7.2.5 Finding and Using Percents	
<b><u>Week 14, Day 5</u></b> <input type="checkbox"/> 7.3.1 Simple Interest	

<b>Week 15</b> Chapter 7: Ratios, Proportions, and Percents Chapter 7 Test Chapter 8: Measurement, Statistics, and Graphs	
Assignments	Notes
<b><u>Week 15, Day 1</u></b> <input type="checkbox"/> 7.3.2 Compound Interest	
<b><u>Week 15, Day 2</u></b> <input type="checkbox"/> 7.3.2 Compound Interest (cont.)	
<b><u>Week 15, Day 3</u></b> <input type="checkbox"/> Chapter 7 Practice Test	
<b><u>Week 15, Day 4</u></b> <input type="checkbox"/> Chapter 7 Test	Chapter 7 Test Score: _____
<b><u>Week 15, Day 5</u></b> <input type="checkbox"/> 8.1.1 Understanding Customary Units of Measurement	

<b>Week 16</b> Chapter 8: Measurement, Statistics, and Graphs	
Assignments	Notes
<b><u>Week 16, Day 1</u></b> <input type="checkbox"/> 8.1.2 Understanding Metric Units of Measurement	
<b><u>Week 16, Day 2</u></b> <input type="checkbox"/> 8.1.3 Converting Customary Units	
<b><u>Week 16, Day 3</u></b> <input type="checkbox"/> 8.1.4 Converting Metric Units	
<b><u>Week 16, Day 4</u></b> <input type="checkbox"/> 8.1.5 Converting between Customary and Metric Units	
<b><u>Week 16, Day 5</u></b> <input type="checkbox"/> 8.1.6 Time and Temperature	

<b>Week 17</b> Chapter 8: Measurement, Statistics, and Graphs	
Assignments	Notes
<b><u>Week 17, Day 1</u></b> <input type="checkbox"/> 8.2.1 Organizing Data	
<b><u>Week 17, Day 2</u></b> <input type="checkbox"/> 8.2.1 Organizing Data (cont.)	
<b><u>Week 17, Day 3</u></b> <input type="checkbox"/> 8.2.2 Bar Graphs and Histograms	
<b><u>Week 17, Day 4</u></b> <input type="checkbox"/> 8.2.3 Line Graphs	
<b><u>Week 17, Day 5</u></b> <input type="checkbox"/> 8.2.4 Reading and Interpreting Circle Graphs	

<b>Week 18</b> Chapter 8: Measurement, Statistics, and Graphs	
Assignments	Notes
<b><u>Week 18, Day 1</u></b> <input type="checkbox"/> 8.2.5 Measures of Central Tendency	
<b><u>Week 18, Day 2</u></b> <input type="checkbox"/> 8.2.6 Box-and-Whisker Plots	
<b><u>Week 18, Day 3</u></b> <input type="checkbox"/> 8.2.6 Box-and-Whisker Plots (cont.)	
<b><u>Week 18, Day 4</u></b> <input type="checkbox"/> 8.3.1 The Coordinate Plane	
<b><u>Week 18, Day 5</u></b> <input type="checkbox"/> 8.3.2 Tables and Graphs	

<b>Week 19</b> Chapter 8: Measurement, Statistics, and Graphs	
Assignments	Notes
<b><u>Week 19, Day 1</u></b> <input type="checkbox"/> 8.3.3 Graphing Linear Equations	
<b><u>Week 19, Day 2</u></b> <input type="checkbox"/> 8.3.4 Graphing Using Intercepts	
<b><u>Week 19, Day 3</u></b> <input type="checkbox"/> 8.3.5 An Introduction to Slope	
<b><u>Week 19, Day 4</u></b> <input type="checkbox"/> 8.3.6 Finding the Slope Given Two Points	
<b><u>Week 19, Day 5</u></b> <input type="checkbox"/> Chapter 8 Practice Test	

<b>Week 20</b> Chapter 8 Test Chapter 9: Geometry	
Assignments	Notes
<b><u>Week 20, Day 1</u></b> <input type="checkbox"/> Chapter 8 Test	Chapter 8 Test Score: _____
<b><u>Week 20, Day 2</u></b> <input type="checkbox"/> 9.1.1 Triangles	
<b><u>Week 20, Day 3</u></b> <input type="checkbox"/> 9.1.2 Quadrilaterals	
<b><u>Week 20, Day 4</u></b> <input type="checkbox"/> 9.1.3 Finding Angles in Polygons	
<b><u>Week 20, Day 5</u></b> <input type="checkbox"/> 9.2.1 Similar Figures	

<b>Week 21</b> Chapter 9: Geometry	
Assignments	Notes
<b><u>Week 21, Day 1</u></b> <input type="checkbox"/> 9.2.2 Congruent Figures	
<b><u>Week 21, Day 2</u></b> <input type="checkbox"/> 9.3.1 Perimeter	
<b><u>Week 21, Day 3</u></b> <input type="checkbox"/> 9.3.2 Area of Rectangles and Parallelograms	
<b><u>Week 21, Day 4</u></b> <input type="checkbox"/> 9.3.3 Area of Triangles and Trapezoids	
<b><u>Week 21, Day 5</u></b> <input type="checkbox"/> 9.3.4 Circles and Circumference	

<b>Week 22</b> Chapter 9: Geometry	
Assignments	Notes
<b><u>Week 22, Day 1</u></b> <input type="checkbox"/> 9.3.5 Area of Circles	
<b><u>Week 22, Day 2</u></b> <input type="checkbox"/> 9.3.6 Area of Composite Figures	
<b><u>Week 22, Day 3</u></b> <input type="checkbox"/> 9.3.7 Comparing Perimeter and Area	
<b><u>Week 22, Day 4</u></b> <input type="checkbox"/> 9.4.1 Square Roots and the Pythagorean Theorem	
<b><u>Week 22, Day 5</u></b> <input type="checkbox"/> 9.4.1 Square Roots and the Pythagorean Theorem (cont.)	

<b>Week 23</b> Chapter 9: Geometry	
Assignments	Notes
<b><u>Week 23, Day 1</u></b> <input type="checkbox"/> 9.5.1 Introduction to Three-Dimensional Figures	
<b><u>Week 23, Day 2</u></b> <input type="checkbox"/> 9.5.2 Volume of Prisms and Cylinders	
<b><u>Week 23, Day 3</u></b> <input type="checkbox"/> 9.5.3 Volume of Pyramids and Cones	
<b><u>Week 23, Day 4</u></b> <input type="checkbox"/> 9.5.4 Surface Area of Prisms and Cylinders	
<b><u>Week 23, Day 5</u></b> <input type="checkbox"/> 9.5.5 Surface Area of Pyramids and Cones	



<b>Week 24</b> Chapter 9: Geometry Chapter 9 Test Chapter 10: Exponents and Polynomials	
Assignments	Notes
<b>Week 24, Day 1</b> <input type="checkbox"/> 9.5.6 Volume and Surface Area of Spheres	
<b>Week 24, Day 2</b> <input type="checkbox"/> Chapter 9 Practice Test	
<b>Week 24, Day 3</b> <input type="checkbox"/> Chapter 9 Test	Chapter 9 Test Score: _____
<b>Week 24, Day 4</b> <input type="checkbox"/> 10.1.1 Product and Power Properties of Exponents	
<b>Week 24, Day 5</b> <input type="checkbox"/> 10.1.1 Product and Power Properties of Exponents (cont.)	

<b>Week 25</b> Chapter 10: Exponents and Polynomials	
Assignments	Notes
<b>Week 25, Day 1</b> <input type="checkbox"/> 10.1.2 Integer Exponents	
<b>Week 25, Day 2</b> <input type="checkbox"/> 10.1.3 Quotient Properties of Exponents	
<b>Week 25, Day 3</b> <input type="checkbox"/> 10.1.4 An Application of Exponents: Scientific Notation	
<b>Week 25, Day 4</b> <input type="checkbox"/> 10.1.4 An Application of Exponents: Scientific Notation (cont.)	
<b>Week 25, Day 5</b> <input type="checkbox"/> 10.2.1 Introduction to Polynomials	

<b>Week 26</b> Chapter 10: Exponents and Polynomials	
Assignments	Notes
<b>Week 26, Day 1</b> <input type="checkbox"/> 10.2.2 Simplifying Polynomials	
<b>Week 26, Day 2</b> <input type="checkbox"/> 10.3.1 Adding and Subtracting Polynomials	
<b>Week 26, Day 3</b> <input type="checkbox"/> 10.3.2 Multiplying and Dividing Monomials	
<b>Week 26, Day 4</b> <input type="checkbox"/> 10.3.3 Multiplying Monomials by Polynomials	
<b>Week 26, Day 5</b> <input type="checkbox"/> 10.3.4 Multiplying Binomials	

<b>Week 27</b> Chapter 10: Exponents and Polynomials Chapter 10 Test	
Assignments	Notes
<b><u>Week 27, Day 1</u></b> <input type="checkbox"/> 10.4.1 Factoring with the GCF	
<b><u>Week 27, Day 2</u></b> <input type="checkbox"/> 10.4.2 Factoring by Grouping	
<b><u>Week 27, Day 3</u></b> <input type="checkbox"/> 10.4.3 Factoring Trinomials	
<b><u>Week 27, Day 4</u></b> <input type="checkbox"/> Chapter 10 Practice Test	
<b><u>Week 27, Day 5</u></b> <input type="checkbox"/> Chapter 10 Test	Chapter 10 Test Score: _____

<b>Week 28</b> Chapter 11: Probability	
Assignments	Notes
<b><u>Week 28, Day 1</u></b> <input type="checkbox"/> 11.1.1 Introduction to Probability	
<b><u>Week 28, Day 2</u></b> <input type="checkbox"/> 11.1.2 Experimental Probability	
<b><u>Week 28, Day 3</u></b> <input type="checkbox"/> 11.1.3 Counting Methods and Sample Spaces	
<b><u>Week 28, Day 4</u></b> <input type="checkbox"/> 11.1.4 Theoretical Probability	
<b><u>Week 28, Day 5</u></b> <input type="checkbox"/> 11.2.1 Compound Events	

<b>Week 29</b> Chapter 11: Probability Chapter 11 Test	
Assignments	Notes
<b><u>Week 29, Day 1</u></b> <input type="checkbox"/> 11.2.2 Making Predictions	
<b><u>Week 29, Day 2</u></b> <input type="checkbox"/> 11.2.3 Probability of Independent and Dependent Events	
<b><u>Week 29, Day 3</u></b> <input type="checkbox"/> 11.2.4 Permutations and Combinations	
<b><u>Week 29, Day 4</u></b> <input type="checkbox"/> Chapter 11 Practice Test	
<b><u>Week 29, Day 5</u></b> <input type="checkbox"/> Chapter 11 Test	Chapter 11 Test Score: _____

<b>Week 30</b> Final Exam	
Assignments	Notes
<b><u>Week 30, Day 1</u></b> <input type="checkbox"/> Study for Final Exam	
<b><u>Week 30, Day 2</u></b> <input type="checkbox"/> Study for Final Exam	
<b><u>Week 30, Day 3</u></b> <input type="checkbox"/> Study for Final Exam	
<b><u>Week 30, Day 4</u></b> <input type="checkbox"/> Practice Final Exam	
<b><u>Week 30, Day 5</u></b> <input type="checkbox"/> Final Exam	Final Exam Score: _____