honors prealgebra

Daily Course Lesson Plan

On the pages that follow is a daily lesson guide for you and your student to follow in order to stay on track with Thinkwell's Honors Prealgebra coursework.

Under each week's header you'll see which chapters are covered along with each day's assignments for that week. The duration for each topic's video lesson is also noted. Feel free to work as quickly or as slowly through the content as is appropriate for your student's learning style.

We suggest printing this daily lesson plan and keeping it handy. Please let us know if you have any questions about the content here. Email us at support@thinkwell.com.

Welcome to Thinkwell's Homeschool Honors Prealgebra!

Thank you for making us part of your homeschool curriculum. This 36-week daily lesson plan is meant to be a guide for you and your homeschool student. **Feel free to modify this plan to suit your individual needs.**

As described below, each day your student will study a different topic and all the materials associated with that topic, such as video lectures, exercises, and worksheets. Expect to spend about an hour to an hour and a half per day on the content suggested here.

If you follow our day-by-day schedule, you'll complete the full curriculum for the course in 36 weeks. Please let us know if we can assist you with any of the material here. We're happy to be your partner in thinking well.

Suggested Weekly Pacing Guide:

Week 1	1.1 Expressions and Properties of Numbers
Week 2	1.2 Operations with Integers
Week 3	1.3 Equations and Inequalities
Week 4	Test – 1.1, 1.2, & 1.3
Week 5	2.1 Operations with Rational Numbers
Week 6	2.2 Equations with Rational Numbers
Week 7	Test – 2.1 & 2.2
Week 8	3.1 Tables and Graphs
Week 9	3.2 Introduction to Functions and Sequences ◆ Test – 3.1 & 3.2
Week 10	4.1 Properties of Exponents
Week 11	4.2 Square Roots and the Pythagorean Theorem ◆ Test – 4.1 & 4.2
Week 12	5.1 Ratios, Rates, and Proportions
Week 13	5.2 Similarity, Scale, and Measurement ◆ Test – 5.1 & 5.2
Week 14	6.1 Proportions and Percents
Week 15	6.2 Applying Percents ◆ Test – 6.1 & 6.2
Week 16	7.1 Points, Lines, and Angles

Week 17	7.2 Polygons
Week 18	7.3 Patterns in Geometry ◆ Test – 7.1, 7.2, & 7.3
Week 19	Exam – Modules 1-18
Week 20	8.1 Perimeter and Area
Week 21	8.2 Three-Dimensional Geometry
Week 22	8.2 Three-Dimensional Geometry (Continued) ◆ Test – 8.1 & 8.2
Week 23	9.1 Collecting and Describing Data
Week 24	9.2 Data Displays ◆ Test – 9.1 & 9.2
Week 25	10.1 Experimental Probability
Week 26	10.2 Theoretical Probability and Counting
Week 27	10.2 Theoretical Probability and Counting (Continued) ◆ Test – 10.1 & 10.2
Week 28	11.1 Solving Equations
Week 29	11.2 Solving Inequalities and Systems of Equations ◆ Test – 11.1 & 11.2
Week 30	12.1 Linear Equations
Week 31	12.2 Linear Relationships ◆ Test – 12.1 & 12.2
Week 32	13.1 Sequences
Week 33	13.2 Functions ◆ Test – 13.1 & 13.2
Week 34	14.1 Introduction to Polynomials
Week 35	14.2 Operations with Polynomials ◆ Test – 14.1 & 14.2
Week 36	Exam – Modules 20-35

Suggested Daily Lesson Plan

Week 1 1.1 Expressions and Properties of Numbers

Assignments	Notes
Week 1, Day 1 ☐ 1.1.1 Introduction to Exponents (4:01)	
Week 1, Day 2 ☐ 1.1.2 Using the Order of Operations (6:53) ☐ 1.1.3 Variables and Algebraic Expressions (8:53)	
Week 1, Day 3 ☐ 1.1.4 Translate Words into Math (9:59) ☐ 1.1.5 Properties of Numbers (7:50)	
Week 1, Day 4 ☐ 1.1 Review Worksheet	
Week 1, Day 5 ☐ Quiz – 1.1	Score: _____

Week 2 1.2 Operations with Integers

Assignments	Notes
Week 2, Day 1 ☐ 1.2.1 Integers (6:52) ☐ 1.2.2 Adding Integers (10:05)	
Week 2, Day 2 ☐ 1.2.3 Subtracting Integers (8:39)	
Week 2, Day 3 ☐ 1.2.4 Multiplying and Dividing Integers (6:24)	
Week 2, Day 4 ☐ 1.2 Review Worksheet	
Week 2, Day 5 ☐ Quiz – 1.2	Score: _____

Week 3 1.3 Equations and Inequalities

Assignments	Notes
Week 3, Day 1 ☐ 1.3.1 Addition and Subtraction Equations (9:06)	
Week 3, Day 2 ☐ 1.3.2 Multiplication and Division Equations (09:41)	
Week 3, Day 3 ☐ 1.3.3 Introduction to Inequalities (10:29)	
Week 3, Day 4 ☐ 1.3 Review Worksheet	
Week 3, Day 5 ☐ Quiz – 1.3	Score: _____

Week 4   Test – 1.1, 1.2, & 1.3

Assignments	Notes
Week 4, Day 1 ☐ Practice Test – 1.1, 1.2, & 1.3 (Day 1)	
Week 4, Day 2 ☐ Practice Test – 1.1, 1.2, & 1.3 (Day 2, *as needed*)	
Week 4, Day 3 ☐ Practice Test – 1.1, 1.2, & 1.3 (Day 3, *as needed*)	
Week 4, Day 4 ☐ Practice Test – 1.1, 1.2, & 1.3 (Day 4, *as needed*)	
Week 4, Day 5 ☐ Test – 1.1, 1.2, & 1.3	Score: _____

Week 5   2.1 Operations with Rational Numbers

Assignments	Notes
Week 5, Day 1 ☐ 2.1.1 Rational Numbers (10:30) ☐ 2.1.2 Comparing and Ordering Rational Numbers (10:45)	
Week 5, Day 2 ☐ 2.1.3 Adding and Subtracting Rational Numbers (1:12)	
Week 5, Day 3 ☐ 2.1.4 Multiplying Rational Numbers (10:24) ☐ 2.1.5 Dividing Rational Numbers (13:11)	
Week 5, Day 4 ☐ 2.1 Review Worksheet, Part 1 ☐ 2.1 Review Worksheet, Part 2	
Week 5, Day 5 ☐ Quiz – 2.1	Score: _____

Week 6   2.2 Equations with Rational Numbers

Assignments	Notes
Week 6, Day 1 ☐ 2.2.1 Solving Equations with Rational Numbers (10:46)	
Week 6, Day 2 ☐ 2.2.2 Solving Two-Step Equations (9:10)	
Week 6, Day 3 ☐ 2.2 Review Worksheet	
Week 6, Day 4 ☐ 2.2 Review Worksheet (Day 2, *as needed*)	
Week 6, Day 5 ☐ Quiz – 2.2	Score: _____

Week 7 Test – 2.1 & 2.2

Assignments	Notes
Week 7, Day 1 ☐ Practice Test – 2.1 & 2.2 (Day 1)	
Week 7, Day 2 ☐ Practice Test – 2.1 & 2.2 (Day 2, *as needed*)	
Week 7, Day 3 ☐ Practice Test – 2.1 & 2.2 (Day 3, *as needed*)	
Week 7, Day 4 ☐ Practice Test – 2.1 & 2.2 (Day 4, *as needed*)	
Week 7, Day 5 ☐ Test – 2.1 & 2.2	Score: _____

Week 8 3.1 Tables and Graphs

Assignments	Notes
Week 8, Day 1 ☐ 3.1.1 Ordered Pairs (7:48)	
Week 8, Day 2 ☐ 3.1.2 Graphing on a Coordinate Plane (11:04)	
Week 8, Day 3 ☐ 3.1.3 Interpreting Graphs and Tables (13:08)	
Week 8, Day 4 ☐ 3.1 Review Worksheet	
Week 8, Day 5 ☐ Quiz – 3.1	Score: _____

Week 9 3.2 Introduction to Functions and Sequences ◆ Test – 3.1 & 3.2

Assignments	Notes
Week 9, Day 1 ☐ 3.2.1 Functions (15:41) ☐ 3.2.2 Equations, Tables, and Graphs (9:06)	
Week 9, Day 2 ☐ 3.2.3 Arithmetic Sequences (10:47) ☐ 3.2 Review Worksheet	
Week 9, Day 3 ☐ Quiz – 3.2	Score: _____
Week 9, Day 4 ☐ Practice Test – 3.1 & 3.2	
Week 9, Day 5 ☐ Test – 3.1 & 3.2	Score: _____

Week 10   4.1 Properties of Exponents

Assignments	Notes
Week 10, Day 1 ☐ 4.1.1 Product and Power Properties of Exponents ☐ 4.1.2 Integer Exponents	
Week 10, Day 2 ☐ 4.1.3 Quotient Properties of Exponents	
Week 10, Day 3 ☐ 4.1.4 An Application of Exponents: Scientific Notation	
Week 10, Day 4 ☐ 4.1 Review Worksheet, Part 1 ☐ 4.1 Review Worksheet, Part 2	
Week 10, Day 5 ☐ Quiz – 4.1	Score: _____

Week 11   4.2 Square Roots and the Pythagorean Theorem ◆ Test – 4.1 & 4.2

Assignments	Notes
Week 11, Day 1 ☐ 4.2.1 Square Roots and Real Numbers (11:06) ☐ 4.2.2 Operations with Square Roots (16:38)	
Week 11, Day 2 ☐ 4.2.3 The Pythagorean Theorem and the Distance Formula (19:23)	
Week 11, Day 3 ☐ 4.2 Review Worksheet ☐ Quiz – 4.2	Score: _____
Week 11, Day 4 ☐ Practice Test – 4.1 & 4.2	
Week 11, Day 5 ☐ Test – 4.1 & 4.2	Score: _____

Week 12   5.1 Ratios, Rates, and Proportions

Assignments	Notes
Week 12, Day 1 ☐ 5.1.1 Ratios and Proportions (6:34) ☐ 5.1.2 Ratios, Rates, and Unit Rates (14:44)	
Week 12, Day 2 ☐ 5.1.3 Dimensional Analysis (14:30)	
Week 12, Day 3 ☐ 5.1.4 Solving Proportions (8:04)	
Week 12, Day 4 ☐ 5.1 Review Worksheet	
Week 12, Day 5 ☐ Quiz – 5.1	Score: _____

Week 13   5.2 Similarity, Scale, and Measurement ◆ Test – 5.1 & 5.2

Assignments	Notes
Week 13, Day 1 ☐ 5.2.1 Similar Figures (9:59) ☐ 5.2.2 Dilations (9:57)	
Week 13, Day 2 ☐ 5.2.3 Indirect Measurement (7:05) ☐ 5.2.4 Scale Drawings and Scale Models (7:35)	
Week 13, Day 3 ☐ 5.2 Review Worksheet ☐ Quiz – 5.2	Score: _____
Week 13, Day 4 ☐ Practice Test – 5.1 & 5.2	
Week 13, Day 5 ☐ Test – 5.1 & 5.2	Score: _____

Week 14   6.1 Proportions and Percents

Assignments	Notes
Week 14, Day 1 ☐ 6.1.1 Relating Decimals, Fractions, and Percents (8:26) ☐ 6.1.2 Estimate with Percents (5:42)	
Week 14, Day 2 ☐ 6.1.3 Finding Percents (8:12)	
Week 14, Day 3 ☐ 6.1.4 Finding a Number When the Percent is Known (7:40)	
Week 14, Day 4 ☐ 6.1 Review Worksheet	
Week 14, Day 5 ☐ Quiz – 6.1	Score: _____

Week 15   6.2 Applying Percents ◆ Test – 6.1 & 6.2

Assignments	Notes
Week 15, Day 1 ☐ 6.2.1 Percent Increase and Decrease (12:36) ☐ 6.2.2 Applications of Percents (9:34)	
Week 15, Day 2 ☐ 6.2.3 Simple Interest (11:34) ☐ 6.2 Review Worksheet	
Week 15, Day 3 ☐ Quiz – 6.2	Score: _____
Week 15, Day 4 ☐ Practice Test – 6.1 & 6.2	
Week 15, Day 5 ☐ Test – 6.1 & 6.2	Score: _____

Week 16   7.1 Points, Lines, and Angles

Assignments	Notes
Week 16, Day 1 ☐ 7.1.1 Points, Lines, and Planes (10:51)	
Week 16, Day 2 ☐ 7.1.2 Angles and Their Relationships (12:18)	
Week 16, Day 3 ☐ 7.1 Review Worksheet (Day 1)	
Week 16, Day 4 ☐ 7.1 Review Worksheet (Day 2, *as needed*)	
Week 16, Day 5 ☐ Quiz – 7.1	Score: _____

Week 17   7.2 Polygons

Assignments	Notes
Week 17, Day 1 ☐ 7.2.1 Triangles (19:07)	
Week 17, Day 2 ☐ 7.2.2 Classifying Polygons (10:51)	
Week 17, Day 3 ☐ 7.2.3 Coordinate Geometry (19:18)	
Week 17, Day 4 ☐ 7.2.4 Congruence (6:04) ☐ 7.2 Review Worksheet	
Week 17, Day 5 ☐ Quiz – 7.2	Score: _____

Week 18   7.3 Patterns in Geometry ◆ Test – 7.1, 7.2, & 7.3

Assignments	Notes
Week 18, Day 1 ☐ 7.3.1 Transformations (13:43)	
Week 18, Day 2 ☐ 7.3.2 Symmetry (5:52) ☐ 7.3.3 Tessellations (7:18)	
Week 18, Day 3 ☐ 7.3 Review Worksheet ☐ Quiz – 7.3	Score: _____
Week 18, Day 4 ☐ Practice Test – 7.1, 7.2, & 7.3	
Week 18, Day 5 ☐ Test – 7.1, 7.2, & 7.3	Score: _____

Week 19   Exam – Modules 1-18

Assignments	Notes
Week 19, Day 1 ☐ Practice Exam – Modules 1-18 (Day 1)	
Week 19, Day 2 ☐ Practice Exam – Modules 1-18 (Day 2, *as needed*)	
Week 19, Day 3 ☐ Practice Exam – Modules 1-18 (Day 3, *as needed*)	
Week 19, Day 4 ☐ Practice Exam – Modules 1-18 (Day 4, *as needed*)	
Week 19, Day 5 ☐ Exam – Modules 1-18	Score: _____

Week 20 8.1 Perimeter and Area

Assignments	Notes
Week 20, Day 1 ☐ 8.1.1 Perimeter and Area of Rectangles and Parallelograms (15:06)	
Week 20, Day 2 ☐ 8.1.2 Perimeter and Area of Triangles and Trapezoids (15:19)	
Week 20, Day 3 ☐ 8.1.3 Circles (17:07)	
Week 20, Day 4 ☐ 8.1 Review Worksheet	
Week 20, Day 5 ☐ Quiz – 8.1	Score: _____

Week 21 8.2 Three-Dimensional Geometry

Assignments	Notes
Week 21, Day 1 ☐ 8.2.1 Drawing Three-Dimensional Figures (10:04) ☐ 8.2.2 Volume of Prisms and Cylinders (16:11)	
Week 21, Day 2 ☐ 8.2.3 Volume of Pyramids and Cones (16:05)	
Week 21, Day 3 ☐ 8.2.4 Surface Area of Prisms and Cylinders (13:56)	
Week 21, Day 4 ☐ 8.2.5 Surface Area of Pyramids and Cones (15:48)	
Week 21, Day 5 ☐ 8.2.6 Spheres (11:45)	

Week 22 8.2 Three-Dimensional Geometry (Continued) ◆ Test – 8.1 & 8.2

Assignments	Notes
Week 22, Day 1 ☐ 8.2.7 Scaling Three-Dimensional Figures (11:12)	
Week 22, Day 2 ☐ 8.2.8 Converting Units of Measurement (10:32)	
Week 22, Day 3 ☐ 8.2 Review Worksheet ☐ Quiz – 8.2	Score: _____
Week 22, Day 4 ☐ Practice Test – 8.1 & 8.2	
Week 22, Day 5 ☐ Test – 8.1 & 8.2	Score: _____

Week 23 9.1 Collecting and Describing Data

Assignments	Notes
Week 23, Day 1 ☐ 9.1.1 Samples and Surveys (8:16) ☐ 9.1.2 Identifying Sampling Errors and Bias (5:17)	
Week 23, Day 2 ☐ 9.1.3 Organizing Data (18:15) ☐ 9.1.4 Measures of Central Tendency (2:11)	
Week 23, Day 3 ☐ 9.1.5 Variability and Box-and-Whisker Plots (23:13)	
Week 23, Day 4 ☐ 9.1 Review Worksheet	
Week 23, Day 5 ☐ Quiz – 9.1	Score: _____

Week 24 9.2 Data Displays ◆ Test – 9.1 & 9.2

Assignments	Notes
Week 24, Day 1 ☐ 9.2.1 Displaying Data (15:08) ☐ 9.2.2 Analyzing Data Displays (10:03)	
Week 24, Day 2 ☐ 9.2.3 Misleading Graphs and Statistics (9:27) ☐ 9.2.4 Scatter Plots (7:29) ☐ 9.2.5 Choosing the Best Representation of Data (6:39)	
Week 24, Day 3 ☐ 9.2 Review Worksheet ☐ Quiz – 9.2	Score: _____
Week 24, Day 4 ☐ Practice Test – 9.1 & 9.2	
Week 24, Day 5 ☐ Test – 9.1 & 9.2	Score: _____

Week 25   10.1 Experimental Probability

Assignments	Notes
Week 25, Day 1 ☐ 10.1.1 Probability (18:04)	
Week 25, Day 2 ☐ 10.1.2 Experimental Probability (17:30)	
Week 25, Day 3 ☐ 10.1.3 Use a Simulation (8:32)	
Week 25, Day 4 ☐ 10.1 Review Worksheet	
Week 25, Day 5 ☐ Quiz – 10.1	Score: _____

Week 26   10.2 Theoretical Probability and Counting

Assignments	Notes
Week 26, Day 1 ☐ 10.2.1 Theoretical Probability (17:59)	
Week 26, Day 2 ☐ 10.2.2 Independent and Dependent Events (14:47)	
Week 26, Day 3 ☐ 10.2.3 Making Decisions and Predictions (8:49)	
Week 26, Day 4 ☐ 10.2.4 Odds (9:39)	
Week 26, Day 5 ☐ 10.2.5 Counting Principles (17:37)	

Week 27   10.2 Theoretical Probability and Counting (Continued) ◆ Test – 10.1 & 10.2

Assignments	Notes
Week 27, Day 1 ☐ 10.2.6 Permutations and Combinations (12:49)	
Week 27, Day 2 ☐ 10.2 Review Worksheet	
Week 27, Day 3 ☐ Quiz – 10.2	Score: _____
Week 27, Day 4 ☐ Practice Test – 10.1 & 10.2	
Week 27, Day 5 ☐ Test – 10.1 & 10.2	Score: _____

Week 28   11.1 Solving Equations

Assignments	Notes
Week 28, Day 1 ☐ 11.1.1 Simplifying Algebraic Expressions (7:07) ☐ 11.1.2 Solving Multi-Step Equations (19:35)	
Week 28, Day 2 ☐ 11.1.3 Solving Equations with Variables on Both Sides (21:11)	
Week 28, Day 3 ☐ 11.1.4 Solving Literal Equations (10:52)	
Week 28, Day 4 ☐ 11.1 Review Worksheet, Part 1 ☐ 11.1 Review Worksheet, Part 2	
Week 28, Day 5 ☐ Quiz – 11.1	Score: _____

Week 29   11.2 Solving Inequalities and Systems of Equations ◆ Test – 11.1 & 11.2

Assignments	Notes
Week 29, Day 1 ☐ 11.2.1 Solving Inequalities by Multiplying or Dividing (9:02) ☐ 11.2.2 Solving Multi-Step Inequalities (19:28)	
Week 29, Day 2 ☐ 11.2.3 Systems of Equations (10:35)	
Week 29, Day 3 ☐ 11.2 Review Worksheet ☐ Quiz – 11.2	Score: _____
Week 29, Day 4 ☐ Practice Test – 11.1 & 11.2	
Week 29, Day 5 ☐ Test – 11.1 & 11.2	Score: _____

Week 30   12.1 Linear Equations

Assignments	Notes
<u>Week 30, Day 1</u> ☐ 12.1.1 Graphing Linear Equations (20:47)	
<u>Week 30, Day 2</u> ☐ 12.1.2 Slope of a Line (14:09)	
<u>Week 30, Day 3</u> ☐ 12.1.3 Using Slopes and Intercepts (17:09)	
<u>Week 30, Day 4</u> ☐ 12.1.4 Point-Slope Form (11:37)	
<u>Week 30, Day 5</u> ☐ 12.1 Review Worksheet ☐ Quiz – 12.1	Score: _____

Week 31   12.2 Linear Relationships ◆ Test – 12.1 & 12.2

Assignments	Notes
<u>Week 31, Day 1</u> ☐ 12.2.1 Direct Variation (13:25) ☐ 12.2.2 Graphing Inequalities in Two Variables (10:32)	
<u>Week 31, Day 2</u> ☐ 12.2.3 Solving Systems of Linear Equations By Graphing (15:36) ☐ 12.2.4 Lines of Best Fit (15:29)	
<u>Week 31, Day 3</u> ☐ 12.2 Review Worksheet ☐ Quiz – 12.2	Score: _____
<u>Week 31, Day 4</u> ☐ Practice Test – 12.1 & 12.2	
<u>Week 31, Day 5</u> ☐ Test – 12.1 & 12.2	Score: _____

Week 32   13.1 Sequences

Assignments	Notes
<u>Week 32, Day 1</u> ☐ 13.1.1 Terms of Arithmetic Sequences (10:13)	
<u>Week 32, Day 2</u> ☐ 13.1.2 Terms of Geometric Sequences (16:30)	
<u>Week 32, Day 3</u> ☐ 13.1.3 Other Sequences (17:18)	
<u>Week 32, Day 4</u> ☐ 13.1 Review Worksheet	
<u>Week 32, Day 5</u> ☐ Quiz – 13.1	Score: _____

Week 33 13.2 Functions ◆ Test – 13.1 & 13.2

Assignments	Notes
Week 33, Day 1 ☐ 13.2.1 Linear Functions (11:24) ☐ 13.2.2 Exponential Functions (17:52)	
Week 33, Day 2 ☐ 13.2.3 Quadratic Functions (9:22) ☐ 13.2.4 Inverse Variation (12:10)	
Week 33, Day 3 ☐ 13.2 Review Worksheet ☐ Quiz – 13.2	Score: _____
Week 33, Day 4 ☐ Practice Test – 13.1 & 13.2	
Week 33, Day 5 ☐ Test – 13.1 & 13.2	Score: _____

Week 34 14.1 Introduction to Polynomials

Assignments	Notes
Week 34, Day 1 ☐ 14.1.1 Introduction to Polynomials (10:58)	
Week 34, Day 2 ☐ 14.1.2 Simplifying Polynomials (13:48)	
Week 34, Day 3 ☐ 14.1 Review Worksheet (Day 1)	
Week 34, Day 4 ☐ 14.1 Review Worksheet (Day 2, *as needed*)	
Week 34, Day 5 ☐ Quiz – 14.1	Score: _____

Week 35 14.2 Operations with Polynomials ◆ Test – 14.1 & 14.2

Assignments	Notes
Week 35, Day 1 ☐ 14.2.1 Adding Polynomials (9:25) ☐ 14.2.2 Subtracting Polynomials (13:10)	
Week 35, Day 2 ☐ 14.2.3 Multiplying Polynomials by Monomials (11:55) ☐ 14.2.4 Multiplying Binomials (14:16)	
Week 35, Day 3 ☐ 14.2 Review Worksheet ☐ Quiz – 14.2	Score: _____
Week 35, Day 4 ☐ Practice Test – 14.1 & 14.2	
Week 35, Day 5 ☐ Test – 14.1 & 14.2	Score: _____

Week 36 Exam – Modules 20-35

Assignments	Notes
Week 36, Day 1 ☐ Practice Exam – Modules 20-35 (Day 1)	
Week 36, Day 2 ☐ Practice Exam – Modules 20-35 (Day 2, *as needed*)	
Week 36, Day 3 ☐ Practice Exam – Modules 20-35 (Day 3, *as needed*)	
Week 36, Day 4 ☐ Practice Exam – Modules 20-35 (Day 4, *as needed*)	
Week 36, Day 5 ☐ Exam – Modules 20-35	Score: _____