

**Carnegie Learning**  
**Suggested Summer School Pacing: Bridge to Algebra**

Day	Lessons	Mathematical Ideas
1	Introduction to Carnegie Learning Course	
	2.1 Comic Strips	<i>Dividing a Whole into Fractional Parts</i>
	2.2 Dividing Quesadillas	<i>Dividing More Than One Whole into Parts</i>
2	2.3 No "I" in Team	<i>Dividing Groups into Fractional Parts</i>
3	2.4 Fair Share of Pizza	<i>Equivalent Fractions</i>
	2.5 When Twelfths Are Eighths	<i>Simplifying Fractions</i>
4	2.6 When Bigger Means Smaller	<i>Comparing and Ordering Fractions</i>
	<b>Assessment</b>	
5	3.1 Who Gets What?	<i>Adding and Subtracting Fractions with Like Denominators p. 73</i>
	3.2 Old-Fashioned Goodies	<i>Adding and Subtracting Fractions with Unlike Denominators</i>
6	3.3 Fun and Games	<i>Improper Fractions and Mixed Numbers</i>
	3.4 Parts of Parts	<i>Multiplying Fractions</i>
7	3.5 Parts in a Part	<i>Dividing Fractions</i>
	3.6 All That Glitters	<i>Adding and Subtracting Mixed Numbers</i>
8	3.7 Project Display	<i>Multiplying and Dividing Mixed Numbers</i>
	3.8 Carpenter, Baker, Mechanic, and Chef	<i>Working with Customary Units</i>
9	<b>Assessment</b>	
10	4.1 Cents Sense	<i>Decimals as Special Fractions</i>
	4.2 What's in a Place?	<i>Place Value and Expanded Form</i>
11	4.3 My Dog is Bigger Than Your Dog	<i>Decimals as Fractions: Comparing and Rounding Decimals</i>
	4.4 Making Change and Changing Hours	<i>Adding and Subtracting Decimals</i>
12	4.5 Rules Make The World Go Round	<i>Multiplying Decimals</i>
	4.6 The Better Buy	<i>Dividing Decimals</i>
13	4.7 Bonjour!	<i>Working with Metric Units</i>
	<b>Assessment</b>	
14	5.1 Heard It and Read It	<i>Ratios and Fractions</i>
	5.2 Equal or Not, That Is the Question	<i>Writing and Solving Proportions</i>

Day	Lessons	Mathematical Ideas
15	5.3 The Survey Says	<i>Using Ratios and Rates</i>
	5.4 Who's Got Game?	<i>Using Proportions to Solve Problems</i>
16	<b>Assessment</b>	
	6.1 One in a Hundred	<i>Percents</i>
17	6.2 Brain Waves	<i>Making Sense of Percents</i>
	6.3 Commissions, Taxes, and Tips	<i>Finding the Percent of a Number</i>
18	6.4 Find It on the Fifth Floor	<i>Finding One Whole, or 100%</i>
	6.5 It's Your Money	<i>Finding Percents Given</i>
19	6.6 So You Want to Buy a Car	<i>Percent Increase and Percent Decrease</i>
20	<b>Assessment</b>	
21	7.1 I Love New York	<i>Negative Numbers in the Real World</i>
	7.2 Going Up?	<i>Adding Integers</i>
22	7.3 Test Scores, Grades, and More	<i>Subtracting Integers</i>
	7.4 Checks and Balances	<i>Multiplying and Dividing Integers</i>
23	7.5 Weight of a Penny	<i>Absolute Value and Additive Inverse</i>
	7.6 Exploring the Moon	<i>Powers of Ten</i>
24	7.7 Expanding Our Perspective	<i>Scientific Notation</i>
	<b>Assessment</b>	
25	8.1 Life in a Small Town	<i>Picture Algebra</i>
	8.2 Computer Games, CDs, and DVDs	<i>Writing, Evaluating, and Simplifying Expressions</i>
26	8.3 Selling Cars	<i>Solving One-Step Equations</i>
	8.4 A Park Ranger's Work is Never Done	<i>Solving Two-Step Equations</i>
27	8.5 Where's the Point?	<i>Plotting Points in the Coordinate Plane</i>
	8.6 Get Growing!	<i>Using Tables and Graphs</i>
28	8.7 Saving Energy	<i>Solving Problems Using Multiple</i>
29	<b>Review</b>	
30	<b>Assessment</b>	

**Carnegie Learning**  
**Suggested Summer School Pacing: Bridge to Algebra**

**Software Units**

1	Picture Algebra	23	Patterns and Expressions
2	Least Common Multiple	24	Order of Operations
3	Greatest Common Factor	25	Patterns and One-Step Equations
4	Fraction Representations	26	One-Step Equations
5	Division of Multiple Wholes as Fractions	27	Patterns and Two-Step Equations
6	Division of Groups as Fractions	28	Expression Evaluation
7	Equivalent Fractions	29	Two-Step Equations
8	Fraction Addition and Subtraction	30	Problem Solving with Two-Step Equations
9	Mixed Numbers and Improper Fractions	31	First Quadrant Graphs
10	Fraction Multiplication and Division	32	Angles, Triangles, and Quadrilaterals
11	Decimals	33	Finding Perimeter and Area
12	Fraction and Decimal Conversions	34	Modeling Squares and Square Roots
13	Decimal Addition and Subtraction	35	Pythagorean Theorem
14	Decimal Multiplication and Division	36	Probability of Independent and Dependent Events
15	Fraction, Decimal, and Percent Conversions	37	Mean, Median, Mode and Range
16	Percents and Proportions	38	Reading Data Displays
17	Percent Change	39	Volume and Surface Area
18	Ratios and Proportion	40	Rational Numbers and the Number Line
19	Integer Representation, Addition, and Subtraction	41	Operations with Rational Numbers
20	Integer Multiplication and Division	42	Linear Functions
21	Scientific Notation	43	Geometric Transformations
22	Picture Algebra		