

Custom Sequence of
Cognitive Tutor® Software to Align to the
Martin-Gay Beginning Algebra Text

Unit Number in Custom Sequence	Unit Name	Cognitive Tutor Curriculum	Source Unit Number	Corresponding Martin-Gay Beginning Algebra Text Chapter
1	Fraction Addition and Subtraction	BTA	9	1
2	Mixed Numbers and Improper Fractions	BTA	10	1
3	Fraction Multiplication and Division	BTA	11	1
4	Integer Representation, Addition, and Subtraction	BTA	20	1
5	Integer Multiplication and Division	BTA	21	1
6	Absolute Value	BTA	22	1
7	Linear Patterns	A1	1	2
8	One-Step Equations	BTA	30	2
9	Two-Step Linear Equations	A1	8	2
10	Linear Models and First Quadrant Graphs	A1	3	3
11	Linear Models and Independent Variables	A1	5	2
12	Linear Models and Four Quadrant Graphs	A1	10	3
13	Linear Equations with Similar Terms	A1	11	2
14	Linear Equations and the Distributive Property	A1	13	2
15	Linear Models and the Distributive Property	A1	14	2
16	Percents and Proportions	BTA	18	2
17	Percent Change	BTA	19	2
18	Linear Inequalities	A1	12	2
19	Linear Models and Slope-Intercept Graphs	A1	17	3
20	Finding Equations of a Line	A1	18	3
21	Systems of Linear Equations Modeling	A1	22	4
22	Systems of Linear Equations	A1	23	4
23	Graphs of Linear Inequalities	A1	24	4
24	Systems of Linear Inequalities	A1	25	4
25	Exponents	A1	30	5
26	Product Rule for Exponents	A1	32	5

BTA = Bridge to Algebra

A1 = Algebra I

A2 = Algebra II

27	Quotient Rule for Exponents	A1	33	5
28	Polynomial Operations	A1	34	5
29	Scientific Notation	A1	31	5
30	Polynomial Multiplication and Factoring	A1	35	6
31	Quadratic Equation Solving using Factoring	A2	12	6
32	Quadratic Models and Area	A1	26	6
33	Rational Expressions	A2	26	7
34	Rational Equations	A2	27	7
35	Simplification and Operations with Radicals	A2	18	8
36	Quadratic Equation Solving	A2	15	9
37	Quadratic Models in General Form	A2	16	9

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