

Custom Sequence of Cognitive Tutor®
Software to Align to the
McKeague Pre Algebra Text

Unit Number in Custom Sequence	Unit Name	Cognitive Tutor Curriculum	Source Unit Number	Corresponding McKeague Prealgebra Text Chapter
1	Operations with Whole Numbers	BTA	1	1
2	Integer Representation, Addition, and Subtraction	BTA	20	2
3	Integer Multiplication and Division	BTA	21	2
4	Order of Operations	BTA	28	2
5	Fraction Representations	BTA	5	3
6	Greatest Common Factor	BTA	4	3
7	Equivalent Fractions	BTA	8	3
8	Fraction Addition and Subtraction	BTA	9	3
9	Mixed Numbers and Improper Fractions	BTA	10	3
10	Fraction Multiplication and Division	BTA	11	3
11	Patterns and One-Step Equations	BTA	29	4
12	One-Step Equations	BTA	30	4
13	Patterns and Two-Step Equations	BA	31	4
14	Two-Step Equations	BTA	33	4
15	Problem Solving with Two Step Equations	BTA	34	4
16	First Quadrant Graphs	BTA	35	4
17	Linear Models and Four Quadrant Graphs	A1	10	4
18	Decimals and Place Value	BTA	12	5
19	Fraction and Decimal Conversions	BTA	13	5
20	Decimal Addition and Subtraction	BTA	14	5
21	Decimal Multiplication and Division	BTA	15	5
22	Exponents	BTA	23	5
23	Squares and Square Roots	BTA	40	5
24	Pythagorean Theorem	BTA	42	5
25	Simplification and Operations with Radicals	A2	18	5
26	Ratios and Proportions	BTA	16	6
27	Introduction to Similar Triangles	BTA	39	6
28	Fraction, Decimal, and Percent	BTA	17	7

BTA = Bridge to Algebra

A1 = Algebra I

A2 = Algebra II

	Conversions			
29	Percents and Proportions	BTA	18	7
30	Percent Change	BTA	19	7
31	One-Step Unit Conversions	BTA	27	8
32	Multiple-Step Unit Conversions	A1	9	8
33	Product Rule for Exponents	A1	32	9
34	Polynomial Operations	A1	34	9
35	Scientific Notation	BTA	24	9

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