



# Elementary Algebra

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Source	Author(s) (Text or Video)	Title(s)	Link (where applicable)
OpenStax	Lynn Marecek, Santa Ana College MaryAnne Anthony-Smith, Formerly of Santa Ana College	Elementary Algebra	<a href="#">Elementary Algebra: OpenStax</a>
Mathispower4u Videos	James Sousa	MathIsPower4U	<a href="#">Mathispower4u Videos</a>

Alta Elementary Algebra was developed to meet the scope and sequence of a typical one semester algebra course. To develop the course, Knewton used three main sources of content: OpenStax, videos created by a Math Professor we have partnered with, and a team of Subject Matter Experts. The SMEs come from diverse backgrounds and are all academics in the field of Mathematics.

Alta Elementary Algebra has two instructional sequences for every learning objective, giving students multiple opportunities to learn new concepts. Between our OpenStax text, Video content, and Knewton SMEs, we were able to solicit ideas from math instructors and students at all levels of higher education. Alta Elementary Algebra covers the typical breadth of algebra topics and also provides the necessary depth to ensure the course is manageable and engaging for instructors and students alike.

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### Chapter 1: Foundations

#### 1.1 Introduction to Whole Numbers

- Place Values and Rounding
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- Prime Factorization and Least Common Multiples
  - Identify multiples and apply divisibility tests
  - Find the prime factorization of a number
  - Find the least common multiple of two numbers

#### 1.2 Use the Language of Algebra

- Use Variables and Algebraic Symbols
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-

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    - Use the division and multiplication properties of equality to solve application problems
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-



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- Solving Systems of Linear Equations by Substitution
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