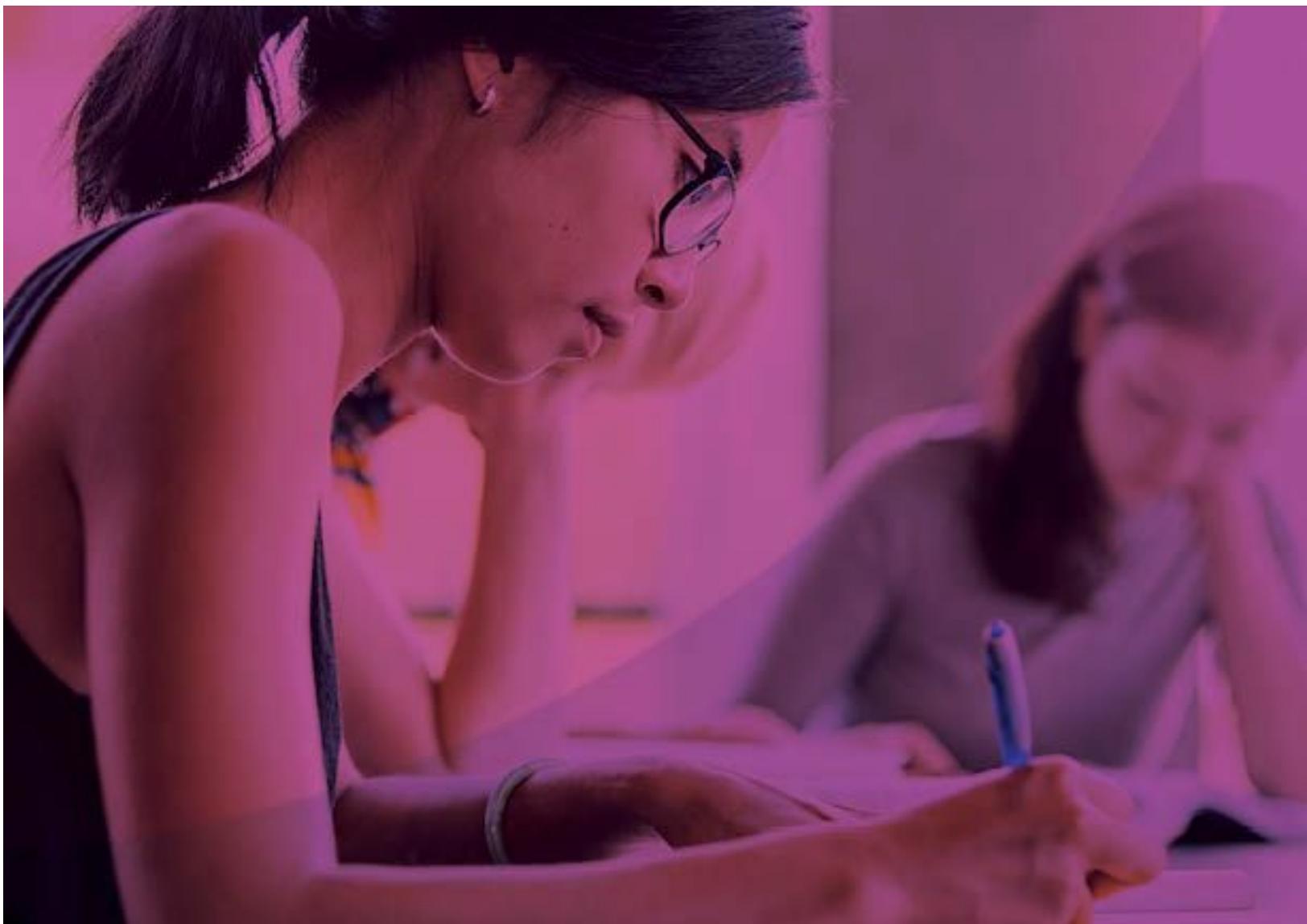




Prealgebra

978-1-63545-001-9



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Source	Author(s) (Text or Video)	Title(s)	Link (where applicable)
OpenStax Text	Lynn Marecek, Santa Ana College MaryAnne Anthony-Smith, Formerly of Santa Ana College	Prealgebra	OpenStax
Mathispower4u Video	James Sousa		Mathispower4u Videos

Knewton Prealgebra was developed to meet the scope and sequence of a typical one semester pre-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 internal and external Subject Matter Experts. The SMEs come from diverse backgrounds and are all academics in the field of Mathematics.

Knewton Prealgebra has two instructional sequences for every learning objective, giving students multiple opportunities to learn new concepts. Between our OpenStax instructional texts, our videos, and a network of SMEs, we were able to solicit ideas from math instructors and students. Knewton Prealgebra covers the typical breadth of prealgebra topics and also provides the necessary depth to ensure the course is manageable and engaging for instructors and students alike.



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- Add and Subtract Whole Numbers
 - Add whole numbers
 - Solve problems by adding whole numbers
 - Subtract whole numbers
 - Solve problems by subtracting whole numbers
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 - Multiply whole numbers
 - Solve problems by multiplying whole numbers
 - Divide whole numbers using long division
 - Solve problems by dividing whole numbers
- Multiples and Factors
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 - Find the prime factorization of a number

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- Introduction to Integers and Absolute Value
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 - Multiply and divide mixed fractions
 - Simplify complex fractions
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- Add and Subtract Fractions
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 - Add and subtract mixed numbers with like denominators
 - Add and subtract mixed numbers with unlike denominators

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-



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