

# Algebra Readiness



**Pre-Requisites:**

**Credits:**

**Estimated Completion Time:**

**Earliest Start Date:** March 2014

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## Description

### ***Ready for high school Algebra?***

It pays to be sure, because if your pre-algebra skills and knowledge are "shaky", you may discover the rigor of high-school algebra to be a significant or even daunting challenge.

**Algebra Readiness** is a self-guided mini-course designed to assess your preparedness for Algebra, and to help raise your pre-algebra competencies as needed. Although this is a **NON-CREDIT** course, taking it will increase the likelihood of your future success in Algebra I.

**It is recommended that you complete this course BEFORE beginning Algebra I.**

However, lessons in this course can also be used for on-demand remediation *while* you are taking other Algebra courses. For example, if you are in Algebra I and having difficulty solving algebraic equations because you're "fuzzy" about how to multiply and divide fractions, simply run through Algebra Readiness lesson 04, *Multiplying and Dividing Fractions* and it will help bring you up to speed on that particular math skill.

## Major Topics and Concepts

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|----|--|
| 01 | Prime Factorization                                |
| 02 | Least Common Multiples and Greatest Common Factors |
| 03 | Introduction to Fractions                          |
| 04 | Multiplying and Dividing Fractions                 |
| 05 | Adding and Subtracting Fractions                   |
| 06 | Decimals   |
| 07 | Percents   |
| 08 | Converting Fractions, Decimals, and Percents       |
| 09 | Exponents  |
| 10 | Square Roots                                       |
| 11 | Integers   |
| 12 | Order of Operations                                |
| 13 | Absolute Value                                     |
| 14 | One-Step Linear Equations                          |
| 15 | Ratios, Rates, and Proportions                     |
| 16 | Plotting Coordinates                               |