

High School Algebra Playlist: Using the Language of Mathematics to Create Equations and Inequalities

Aligns with [CCSS.Math.Content.HSA.CED.A.1](#): Create equations and inequalities in one variable and use them to solve problems. *Include equations arising from linear and quadratic functions, and simple rational and exponential functions.*

Related Standards

- [CCSS.Math.Content.HSA.REI.B.3](#): Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

PREVIEW



Objectives

In this module, you will learn and practice the following skills:

- learn which mathematical operations correspond to common English terms
- write equations and inequalities in one variable

Let's get started!

Key Terms

- A **variable** is a quantity that can change within a problem, typically designated by a single letter.
- A **sum** is the result of adding two or more numbers.
- The **difference** of two numbers is the result of subtracting one number from another.
- The **product** of two numbers is the results of multiplying of one by the other.
- The **quotient** of two numbers is the result of dividing one number by another.

Connections

- <https://openstaxcollege.org/textbooks/algebra-and-trigonometry>; section 2.3.1, about page 149
- <https://openstaxcollege.org/textbooks/algebra-and-trigonometry>; section 5.1.3 about page 486
- <https://openstaxcollege.org/textbooks/algebra-and-trigonometry>; section 6.12. about page 651
- http://www.ck12.org/algebra/Single-Variable-Equations-from-Verbal-Models/lesson/Single-Variable-Equations-from-Verbal-Models-Grade-7/?referrer=featured_content

