

Unit 1: Are These Numbers Real?

This unit recalls the relationships between sets of real numbers and the rules involved when working with them.

Unit Focus

Reading Process Strand

Standard 6: Vocabulary Development

- LA.910.1.6.1
The student will use new vocabulary that is introduced and taught directly.
- LA.910.1.6.2
The student will listen to, read, and discuss familiar and conceptually challenging text.
- LA.910.1.6.5
The student will relate new vocabulary to familiar words.

Writing Process Strand

Standard 3: Prewriting

- LA.910.3.1.3
The student will prewrite by using organizational strategies and tools (e.g., technology, spreadsheet, outline, chart, table, graph, Venn diagram, web, story map, plot pyramid) to develop a personal organizational style.

Algebra Body of Knowledge

Standard 10: Mathematical Reasoning and Problem Solving

- MA.912.A.10.1
Use a variety of problem-solving strategies, such as drawing a diagram, making a chart, guessing- and-checking, solving a simpler problem, writing an equation, working backwards, and creating a table.
- MA.912.A.10.3
Decide whether a given statement is always, sometimes, or never true (statements involving linear or quadratic expressions, equations, or inequalities, rational or radical expressions, or logarithmic or exponential functions).

Unit 1: Are These Numbers Real?

Introduction

The focus of Algebra I is to introduce and strengthen algebraic skills. These skills are necessary for further study and success in mathematics. Algebra I fosters

- an understanding of the real number system
- an understanding of different sets of numbers
- an understanding of various ways of representing numbers.

Many topics in this unit will be found again in later units. There is an emphasis on problem solving and real-world applications.

Lesson One Purpose

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