prime numbers
13^2
$a+b=b+a$

Number Sense and Operations

OBJECTIVES

After completing *Algebra Warm-Ups: Number Sense and Operations*, students will be able to

- understand numbers, ways of representing numbers, relationships among numbers, and number systems.

- develop a deeper understanding of very large and very small numbers and of various representations of them.

- compare and contrast the properties of numbers and number systems, including the rational and real numbers.

- use number-theory arguments to justify relationships involving whole numbers.

- understand meanings of operations and how they relate to one another.

- judge the effects of such operations as multiplication, division, and computing powers and roots on the magnitudes of quantities.

- develop an understanding of permutations and combinations as counting techniques.

- compute fluently and make reasonable estimates.

- develop fluency in operations with real numbers using mental computation or paper-and-pencil calculations for simple cases and technology for more-complicated cases.

- judge the reasonableness of numerical computations and their results.