



## Number & Operations

**Students learn numbers, ways of representing numbers, relationships among numbers, number systems and operations.**

- ◆ Understand place value structure of the base-10 number system
- ◆ Compare, order and formulate equivalent representations of whole numbers, fractions, decimals and percent through the use of models and number lines
- ◆ Develop understanding of fractions as part of a whole, part of a set and as division of whole numbers
- ◆ Use interactive media and real-life situations to make reasonable estimates to solve problems
- ◆ Gain number sense through an understanding of addition, subtraction, multiplication and division including their different meanings, effects, properties and the relationships to one another
- ◆ Develop fluency with basic number combinations for addition, subtraction, multiplication and division
- ◆ Develop and use strategies to estimate the result of whole number computations
- ◆ Explore number theory by classifying numbers according to their factors and multiples