

## Developing Fraction Understanding and Computational Skills: Grades 3-6

## Part 1 (November 20): Developing Fraction Sense in Grades 3-6

This hands-on workshop will focus on instruction that builds foundational understandings of fractions. We will explore the progression of developing understanding of fraction concepts. We will experience instructional tasks/ activities that help students build "fraction sense": partitioning/ sharing, equivalence, use of varied representations, comparing and ordering fractions and decimals. Developing these fundamental understandings is a prerequisite to fraction computation. We will explore a wide variety of tools that will build understanding of fractions from the concrete to the representational to the abstract levels.

## Part 2 (December 17): Understanding Fraction Computation in Grades 3-6

This hands-on workshop will focus on instruction that can be used to build deep conceptual understanding of fraction computation. Research indicates that a majority of our students enter middle school with a limited understanding of fractions, and as a result begin to struggle with much of the middle school content. In this workshop we will explore how to teach fraction computation so that students truly understand the "whys" of fraction computation and see fraction computation as more than rules and procedures. We will explore activities that will build concrete knowledge of each operation, explore multiple representations of each operation, leading to abstract application of each operation.

When: November 20, 2019 & December 17, 2019
Time: 8:30 am-3 pm
Where: CESA 9, Tomahawk
Cost: \$200.00/person (includes both sessions, materials, and lunch)
Who: Classroom teachers 3-6, math interventionists, Title I Math, special education teachers
Presenter: Carole Foreman, Math Consultant/Coach
CESA 9 Contact: Linda Myers (Imyers@cesa9.org), Associate Director of School Improvement

**Register here:** 



http://bit.ly/Fractions1920