

# Understanding and Teaching Number Sense



*A two-day workshop for OUSD K - 5 teachers  
presented by Dr. Michele Douglass*

***August 5 & 6, 2019 \* 8:30 - 3:30 \* at the IMC***

***Teachers will be paid to attend. [Click here](#) to sign up.***

***Number Sense, along with Fluency and Problem Solving,  
are the foundations of math understanding.***

**FOCUS:** Define the components of number sense. Analyze how these components develop over time across the grades. Target the articulated learning students need to develop number sense. Use various tools and strategies to make sense of numbers. Use student data and student work samples to identify needs in specific students. Learn how to provide specific supports to catch up students who are struggling with number sense.

## **Day 1 Agenda**

- \* Definition of Number Sense
- \* Defining and Building Number Meaning
- \* Writing Numbers, Counting Numbers, 1 to 1 Correspondence, Cardinality
- \* Defining and Building Number Relationships
- \* More or Less, Benchmark Values and Part – to – Whole Comparisons
- \* Defining Number Magnitude, Relative Magnitude, Absolute Magnitude, and Place Value

## **Day 2 Agenda**

- \* Building Operations
- \* Addition and Subtraction Strategies and Algorithms
- \* Multiplication and Division Strategies and Algorithms



*Dr. Michele Douglass is President and founder of MD School Solutions, Inc. This organization supports schools, districts, counties, states and companies to improve student learning through the development of curriculum materials, improving teacher content knowledge, and changing instructional delivery.*