"The practice of Number Talks is one of the most powerful vehicles I know for helping students learn to reason with numbers and make mathematically convincing arguments, for building a solid foundation for algebraic reasoning, and for teaching mathematics as a sense making process. If all teachers make this shift in their practice, it would represent a profound advancement in mathematics education."

Ruth Parker, Author
Making Number Talks Matter

"One of the best methods for teaching number sense and math facts at the same time is a teaching strategy called 'number talks'... This is an ideal short teaching activity that teachers can start lessons with or parents can do at home. Students love to give their different strategies and are usually completely engaged and fascinated by the different methods that emerge. Students learn mental math, they have opportunities to memorize math facts and they also develop conceptual understanding of numbers and of the arithmetic properties that are critical to success in algebra and beyond."

Jo Boaler, Author
Stanford University

"Our classrooms are filled with students and adults who think of mathematics as rules and procedures to memorize without understanding the numerical relationships that provide the foundation for these rules."

Sherry Parrish, Author
Number Talks

For more information about training, resources, or materials, please contact:
Lynn Ball
MathNumberTalks.com
Facebook.com/NumberTalksConsultant
MathematicalNumberTalks@yahoo.com

Number Talks
Mathematical Number Talks

Supports growth mindset teaching and learning
Process extends to all other disciplines helping teachers make required Common Core shifts in instruction
Increases academic student interactions and opportunities to learn from each other
Daily integrated English language support for all students
Allows students and teacher/facilitators to see math differently
Builds a schoolwide culture of math discourse
Regular and authentic practice with the Standards of Mathematical Practice
Build Number sense and number flexibility among all learners
Move away from memorizing towards understanding
Structured student conversation strategy proven to increase student achievement in all students (John Hattie)
Community based strategy that provides a safe place to share, try, and make mistakes
Daily opportunity for formative assessment and feedback
Are minimally invasive: short, fun, engaging, fit almost any schedule, and require almost no preparation
Increase student confidence, number sense, number flexibility, and mental math strategies
Authentic use of academic vocabulary
Make sense of problems and persevere in solving them with precision
Time and structure to reason abstractly and quantitatively
Opportunities to construct viable, reasonable arguments and critique the reasoning and arguments of others
Understand and use mathematical structures, models, and tools
See how math can be fun, engaging, and naturally creative
Build academic relationships with other students