

# Number Talks

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**“Simply defined, number talks are five- to fifteen-minute classroom conversations around purposefully crafted computation problems that are solved mentally.”**

**- Sherry Parish**

- Keep Number Talks short, as they are not intended to replace current curriculum or take up the majority of the time spent on mathematics.
- Spend only 5 to 15 minutes on Number Talks.
- Talks are most effective when done everyday.
- Students solve mentally- they do NOT use paper/pencil

## Four Goals for K-2 Number Talks

- Developing number sense

“Number sense is an awareness and understanding about what numbers are, their relationships, their magnitude, the relative effect of operating on numbers, including the use of mental mathematics and estimation.”

- Developing fluency with small numbers
- Subitizing (immediately recognizing a collection of objects as a single unit)
  - Making tens

# Five Goals for Number Talks 3-5

- Number sense
  - Place value
    - Fluency
    - Properties
- Connecting mathematical ideas

**14 X 12**

# Record Thinking

**Number sense performance and growth are predictive of long-term mathematics achievement outcomes (Jordan & Dyson, 2014).**

**Having adequate numeracy skills enable people to gain more education and better career prospects (Parsons & Bynner, 2005).**

**When students develop number sense, they begin to possess many significant capabilities in mathematics, such as flexible mental computation, numerical estimation, and quantitative judgment (Greeno, 1991).**