Fabulous Fractions

CAMT 2015
Developing Long Term Memory Paths

Use manipulatives to model before procedures.

Get students talking fractions!
Fraction Sense Development

Context: Informal methods
Models: Multiple meanings
Estimate
Model with Manipulatives

Area Models  Length Models  Set Models
Model with Manipulatives

Area Models

Length Models

Set Models
**Foundation** (2nd – 4th Grades)

- Meaning of fractions
- Models of fractions
- Unit fractions
- Equivalence & Comparing
- Benchmarks & estimation

**Operations** (4th – 7th Grades)

- Add
- Subtract
- Multiply
- Divide
Fractions are Fun!

- Foldables
- Games
- Act out fractions
- Get students out of their desks when possible.
- Technology
Fraction Pieces

Important tool for 3rd, 4th, 5th grade students
Fraction Vocabulary

The numerator counts.

The denominator tells what is being counted.
Number Lines

Number lines are critical for understanding fractions and for mastery of the TEKS.
Grandma is making cornbread and gingerbread for dinner. She needs $1 \frac{5}{8}$ cups of buttermilk for one recipe and $1 \frac{1}{8}$ cups for the other recipe. How much buttermilk does she need for both recipes?
Xavier works in a plant nursery and creates flower arrangements in pots of different sizes. One pot needs $\frac{3}{8}$ cubic feet of dirt and another one needs $\frac{1}{4}$ cubic feet of dirt. How much dirt will Xavier need for both pots?
Wesley filled 5 glasses with $\frac{2}{3}$ liter of soda in each glass. How much soda did Wesley use?
Maria is going to have a birthday party. Her mom orders 6 pints of ice cream from Mitch and Bob’s Ice Cream Factory. If she serves $\frac{1}{4}$ of a pint of ice cream to each guest, how many guests can be served?

Use a number line to model this problem.
Mathematically Speaking!

Great strategy to involve ELL students.

Pair up a stronger with a weaker student and allow the stronger student to first explain how to solve the problem using the given words.