

Mathematical Problem Solving

Welcome



February 6, 2017

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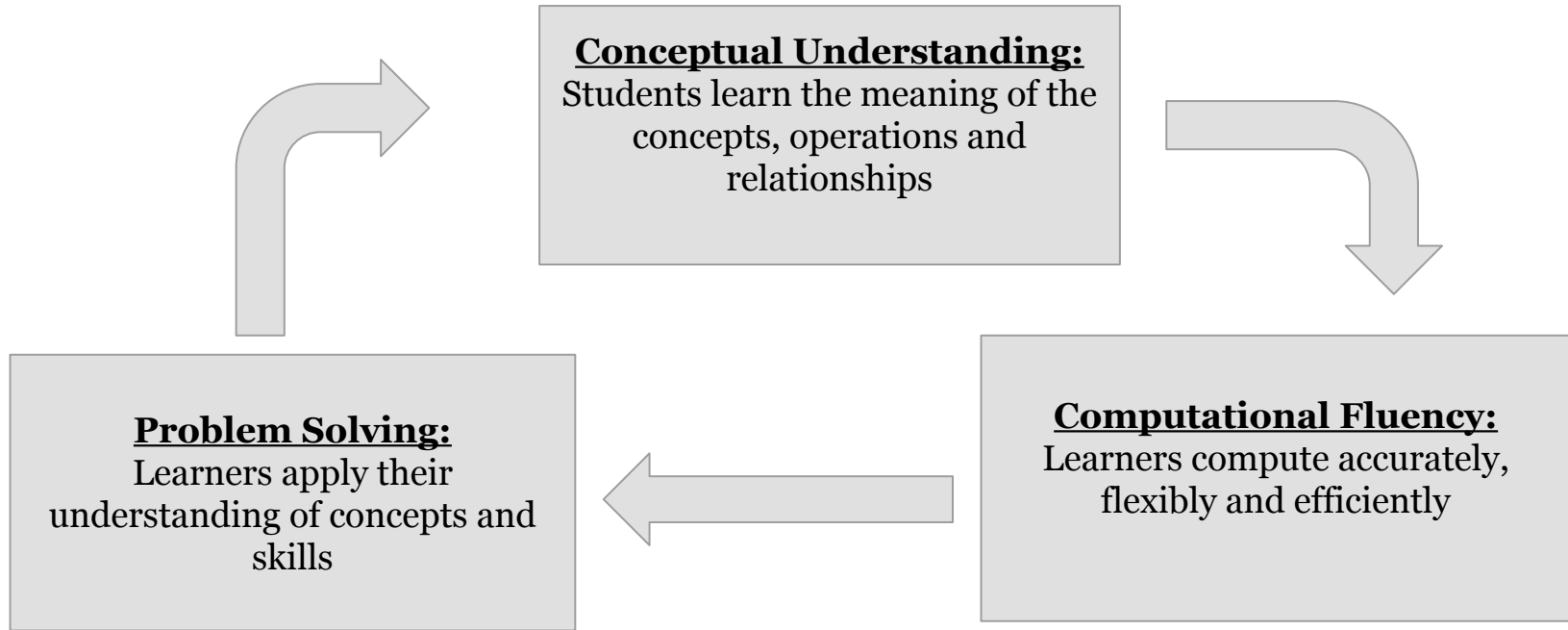
Good Morning,



Welcome! Today our goal is to develop an understanding of problem solving. You will be rotating to different stations experiencing how students deepen their understanding of number sense by applying it to a problem solving task. Put your thinking cap on!

Mathematically Yours,
The Math Team

Balanced Math Framework



Why Problem Solving?

- Inquiry
- Application and reasoning of concepts and skills
- Student Discourse
- Some complexity
- More than one possible solution



Problem Solving Skills

A solution includes...

- Problem Solving
- Reasoning and Proving
- Communicating
- Connecting
- Representing



Problem Solving Tasks

- K- Picking Pumpkins, Jenny Trifiatis, Meghan Coyne
- 1- Cans of Paint, Debbie Lynch, Tracy Heyde
- 2- Autumn Leaves, Sara Kinsley, Paula Reiches
- 3- Collecting Stickers, Linda Dragotta, Abby Crawley
- 4- Package of Crayons, Dawn Taranto, Melissa Labrosciano
- 5- Cans and Bottles, Joslyn Delancey, Robin Rosic

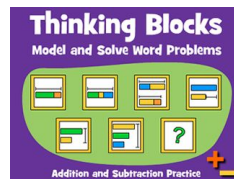
Resources



[Investigations](#)



[NCTM](#), [Illuminations](#)



[Thinking Blocks](#)



[Internet4Classrooms](#)



[Pearson Success](#)



[Elementary Math](#)



Math Shakes App



[Aunty Math](#)

Exit Slip

3~2~1

★ **Three** Things I Learned

★ **Two** Things I Wonder About

★ **One** Thing I Would Like to Learn More About

