

# Welcome to ...

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## **(CO)<sup>2</sup>MP Elementary**

Common Core for Mathematical Proficiency in Elementary Schools

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Bowling Green State University

**Ohio** | Department  
of Education

# Agenda

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- Window Wall
- COMP Assessments
- Lunch
- Grade Level Meetings
- Connecting Arithmetic to Algebra
- Cube Trains
- Reflection



# Morning Warm-Up

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## The Window Wall

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# COMP Assessments

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# Lunch

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# Grade Level Meetings

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# Connecting Arithmetic to Algebra

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“Creating representation-based proofs engages students in forming mental images that capture how the operations work. In doing so, they develop the expectation that mathematics makes sense and deepen their understanding of the meaning and properties of the operations. This operation sense contributes to computational fluency and supports students in making connections between arithmetic and algebra.”

- Russell, Shifter, Bastable (2011)



# Connecting Arithmetic to Algebra

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**Read page 56 to page 65.**

As you are reading: Highlight, underline, or make note of things you find significant or meaningful.

When your group is finished, take some time to discuss these things you highlighted, underlined, or made a note of.



# Connecting Arithmetic to Algebra

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## Focus Question #5 (pg. 66)

Consider the comments in the conclusion of Chapter 5 and reflect on the math content of your classroom. What are the implications and opportunities for developing this kind of reasoning for the grade level you teach?



# Math Activity: Cube Trains

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- Complete #'s 1 -3 in part A.
- Share your answer to #3 in small group.
- Whole group discussion.



# Math Activity: Cube Trains

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- Individually answer #4 - 7 in Part B.
- Share your solutions with a partner
- Work with the partner to answer #8 in Part B
- Discuss with your small group
- Whole group discussion and sharing



# COMP Meeting Dates

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- Thursday and Friday - August 6<sup>th</sup> and 7<sup>th</sup>
- Thursday - September 24<sup>th</sup>
  - Lesson Study Dates
    - K -- Monday September 28      1 – Tuesday September 29
    - 2 – Wednesday September 30    3 – Thursday October 1
    - 4 & 5 – Friday October 2
- Tuesday – October 27<sup>th</sup> , 2015
- Saturday November 21<sup>st</sup> – Teaching Symposium
- Saturday -- January 23<sup>rd</sup>
  - Lesson Study Dates
    - K -- Monday January 25              1 – Tuesday January 26
    - 2 – Wednesday January 27        3 – Thursday January 28
    - 4 & 5 – Friday January 29



# COMP Meeting Dates

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Summer 2016

June 15<sup>th</sup> – 24<sup>th</sup>

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# Time of Reflection

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Take a few moments to reflect on our time of thinking and learning today.

- Jot down the meaningful and significant things you thought about.
- Jot down the ways you thought mathematically and pedagogically.
- Jot down how you contributed to our shared community of professionals.



# Stay Safe

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- Please help us put the room in proper order.
- Please leave your name tags for next time.

