

COMP Elementary – Summer 2015 Day 8

“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)

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.

NOTES:



(CO)²MP Elementary

Common Core for Mathematical Proficiency in Elementary Schools

COMP Elementary – Summer 2015 Day 8

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?



COMP Elementary – Summer 2015 Day 8

NAME:

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.

