

## DIFFERENTIATED LEARNING WITH DECIMALS

### TORI SINCO, AVERY ELEMENTARY SCHOOL

**GRADE LEVEL AND CONTENT:** 5<sup>th</sup> Grade Mathematics

#### OVERVIEW

This unit incorporates differentiated instruction and technology to help students master the fifth grade standard on adding, subtracting, and multiplying decimals. Following a pre-test at the start of this unit, the teacher forms groups based on each student's ability and readiness. Throughout the unit, students engage in rigorous and authentic learning tasks, including: small-group instruction, math journaling, Kahn Academy, Edmodo math discussions, Mathcasting (student-created math videos), and QR code scavenger hunts. These activities both encourage students to work collaboratively and allow students to work at their own pace.

#### STANDARD ADDRESSED

M.5.NBT.7

#### AVAILABLE MATERIALS

- Video of Unit
- Unit Overview
- Anchor Charts
- Pre-Assessment
- Guided Math Rotations
- Dump, Lump, Clump Problems
- Grid Lock
- Circuit Board Instructions
- Math Journal Examples
- Math Journal Rubric
- Shopping Performance Task
- Paving the Way Performance Task
- Paving the Way QR codes
- The Grass is Always Greener Performance Task
- The Grass is Always Greener Scale Diagram Information
- The Grass is Always Greener Price Quotes



#### ABOUT THE TEACHER

*Ms. Sinco is currently a 5<sup>th</sup> grade teacher at Avery Elementary School in Canton, GA. She holds a Bachelor of Science degree in Elementary Education from Ashland University and a Master of Science degree in Education from Walden University. She was named Avery Elementary School's Teacher of the Year in 2008. In 2014 she was selected to attend the Mickelson ExxonMobil Teachers Academy. Her best piece of teaching advice is to embrace differentiation, even if it pushes you out of your comfort zone.*