

**ACES: Algebraic Concepts for Elementary Students
Summer Institute, July 19-23 and 26-30, 2010**

Agenda Day 8

1. Welcome!
2. The Tortoise and the Hare: A tortoise and a hare are running a race. The tortoise knows he is the slower of the two so he runs as fast as he can, and so averages 1 mile per hour. The hare, being very confident, dawdles, and so averages only $\frac{1}{2}$ mile per hour. As he reaches the halfway point he realizes the tortoise must be far ahead; how fast must he now run in order to win?
3. Proportional Reasoning Focus:
 - a. Ratios and Rates – deepen understanding of meaning and connections
4. Fraction Focus:
 - a. Multiplication (and division) of fractions and decimals
5. Lesson Study
6. Closure and evaluations

