ANI Institute I – Number Sense (Whole Numbers and Money), Geometry

ANI-PD Goals:
• Increase math content knowledge among teachers and program administrators.
• Increase instructional skills among teachers working with ABE, pre-GED, and GED students.
• Increase knowledge and use of math content standards.
• Build local program and state capacity to support adult numeracy instruction.

Institute I Agenda
Iowa Department of Education, Grimes Building, Room B50
September 10-11, 2015

Day I – September 10, 2015
8:30 – 9:00 Welcome, Overview and Introductions
9:00 – 10:30 Focus on Number and Operation Sense with Whole Numbers
  • About How Many? (Estimation Stations)
  • Visual Models and Understanding the Four Operations
10:30 – 10:45 Break
10:45 – 12:00 Continued - Focus on Number and Operation Sense with Whole Numbers
12:00 – 12:45 Lunch
12:45 – 2:15 Focus on Number and Operation Sense: Proportional Reasoning
  • Introduction to Proportional Reasoning
  • It’s A Lot of Work! (Using Ratios to Predict)
2:15 – 2:30 – Break
2:30 – 3:45 Continued - Focus on Number and Operation Sense: Proportional Reasoning
3:45 – 4:00 Reflection and Wrap-up

Day II – September 11, 2015
8:30 – 8:45 Recap of Day 1
8:45 – 10:30 Focus on Geometry and Measurement
  • Mona Lisa, Is That You? (Proportional
  • Introduction to Geometry and Measurement
  • Combining Squares
  • Developing a Geometry Topic
  • Comparing Volumes
  • Frameworks/Standards Connection
  • Next Steps and Evaluation Reasoning)
10:30 – 10:45 Break
10:45 – 12:00 Continued – Focus on Geometry and Measurement
12:00 – 12:45 Lunch
12:45 – 2:15 Frameworks/Standards Connection
2:15 – 2:30 Break
2:30 – 3:45 Continued – Frameworks/Standards Connection
3:45 – 4:00 Next Steps and Evaluation