

# Session 1

## Overview and Objectives

By the end of this session, participants will be able to:

- Define numeracy and explain how it differs from mathematics
- Contrast layered math content with the idea of interwoven content strands
- Explain an approach to algebra that is appropriate for learners at all levels

## Readings

Click the title to download.

1. [Ask the Cognitive Scientist: Is It True Some People Just Can't Do Math?](#) (Willingham, 2009)
2. [Some Current Perspectives on Adult Numeracy](#) (Schmitt, Ed., 2009, updated 2013)
3. [The Components of Numeracy](#), pp. 1-19 (Ginsburg, Manly, & Schmitt, 2006)
4. [Changing the Way We Teach Math](#), Introduction and Chapter 6: Real Life Problems: pp. 1-8 & 41-47 (Nonesuch, 2006)
5. [Algebraic Thinking in Adult Education](#) (Manly & Ginsburg, 2010)
6. [Building on Foundations for Success: Mathematics Content](#), pp. 5-21 (U.S. Department of Education, 2011)
7. [Mathematics Standards Key](#) (College and Career Readiness Standards)



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