

Identifying the knowledge base of adult educators teaching numeracy

What are your areas of strength? Growth?

Examples:

- Incorporate CCR practices and standards
- Apply levels of knowing
- Apply depth of knowledge
- Sequence math instruction
- Assess student math proficiency

Math Pedagogy

Do I know how to build and deliver effective math units and lessons?

Math Content

Am I comfortable with the math I am teaching on a deep conceptual level?

Examples:

- Hold deep conceptual understanding of math
- Have confidence in own math knowledge
- Be willing to access resources, seek clarification, and learn along with students as needed.

Examples:

- Set language objectives provide language support
- Break down complex language and explain relationships of words and structures

Language Pedagogy

Do I understand and support my students' language challenges around math?

Complexities of Learners

Is my instruction accessible to learners with a wide range of backgrounds?

Examples:

Understand impact of and respond to -

- Learning disabilities and barriers
- Immigrant & refugee experiences
- Math anxiety
- Previous and/or first-language education