

Add+VantageMR[®] Fraction Course Goals

Examine and consider the following three grand organizers for arithmetic instruction identified by research to reflect on current and future practice:

1. Guiding Principles for Classroom Teaching
2. Domains of Arithmetic Learning including topics and conceptual models
3. Dimensions of Mathematizing to advance student thinking

Study a research-based learning trajectory for children's development of fractions knowledge.

Apply research-based assessment tools to:

- Analyze student thinking using both the Fractions Concepts Assessment and Units Coordination Assessment
- Make decisions about assessment, for what purpose, and when to follow-up for more information

Use assessment to inform instruction:

- Make decisions about instruction based on the Fraction Concepts Assessment and Units Coordination Assessment information
- Identify how course content impacts students' learning of grade level standards



The mission of the US Math Recovery Council[®] is

To transform numeracy education

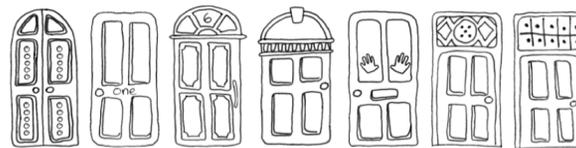
To connect research with practice

*To empower educators to advance student
mathematical thinking and success*

...through Math Recovery[®] principles.

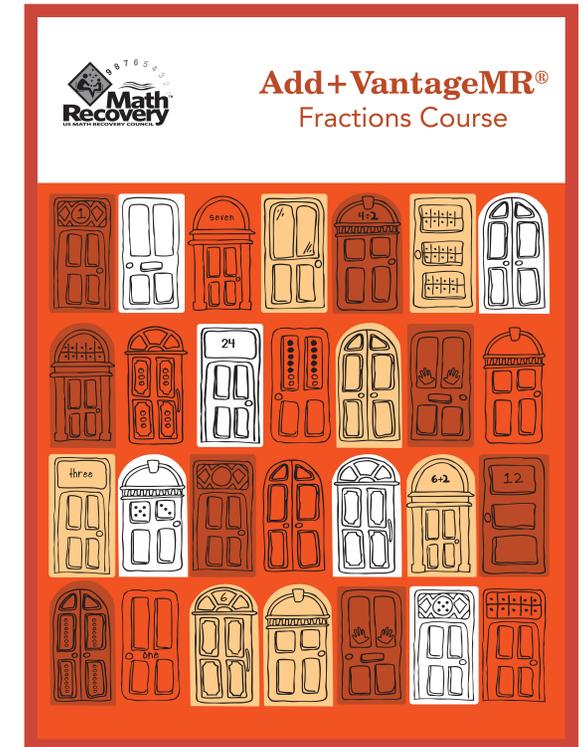


A non-profit organization
dedicated to teacher professional
development and understanding
children's development of
mathematics



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Add+VantageMR[®] Fractions



Add+VantageMR[®] enhances
teachers' skills to teach
mathematics.



Add+VantageMR® Fractions:

- Is an online & face-to-face learning opportunity
- Features nine virtual 60-90 minute meetings over a 12-week training period
- Allows you to engage in independent learning modules & virtual meetings online
- Includes *Developing Fractions Knowledge* by Amy Hackenberg, Anderson Norton, & Robert Wright as the course text
- Provides a detailed and comprehensive guide to classroom and intervention teaching of fractions
- Relies heavily on observing and documenting students' mathematical activity and thinking
- Provides instructional sequences which take into account students' current levels of knowledge, as well as, how students reorganize their ways of working with whole numbers in order to meaningfully work with fractions
- Course Cost: \$995 per teacher. Course fee includes assessment and teaching materials to use during and after the course, membership access for support and documents through ConnectMR, and opportunities for individualized learning from a highly qualified Math Recovery® Fractions Champion

Typical Add+VantageMR® Fractions Course Session

Course Sessions



Introduction to Session 5
Welcome to Session 5 of the Add+VantageMR® Fractions Course. This video provides you with an overview of the session.

[Watch Video](#)

Putting into Practice: Administration of the Fractions Concepts Assessment
Administer the Fractions Concepts Assessment with students in a 1:1 setting to observe student thinking closely. Plan to record at least one assessment and upload into VideoAnt to provide opportunities for collegial collaboration. It may be helpful to review the Guidelines for the Fractions Concepts Assessment on page 35 and the Purpose, Procedures, and Responses on pages 36-40 in your teacher handbook prior to administration.

Find a hard copy of the Fractions Concepts Assessment in your teacher handbook. Visit ConnectMR on your Math Recovery® dashboard to retrieve an electronic version.

[Download Assessment](#)

Share and Reflect
Share your reflections on administering the Fractions Concepts Assessment. What surprised you? What went well? What is a question you still have? Etc...

Enter the comment thread to share your thoughts as well as to view and respond to posts from other course participants.

[Launch Discussion](#)

VideoAnt
DIGITAL EDUCATION & INNOVATION

Putting into Practice: Analysis of the Fractions Concepts Assessment
Collaborate on the analysis of the Fractions Concepts Assessments by uploading an assessment video into VideoAnt. Remember to share your video with your partner and course instructor. Please provide time for your partner to review and annotate the video before the virtual meeting.

View the VideoAnt video tutorial and download the VideoAnt support document to get started and to help you get the most out of this interactive experience.

[Watch Video](#) [Download Document](#)

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by citrix

Team Meeting: Fractions Concept Assessment
Join our team meeting to refine and extend our learning in Session 5. We will debrief our experiences of administration, coding, and analyzing the Fractions Concepts Assessment and launch into instruction using the Math Recovery® assessments. Complete all Session 5 activities and review the participant discussion thread prior to the team meeting. Check your course materials for the date and time.

[Launch Meeting](#)

Add+VantageMR® Fractions Assessment for Teaching

- A key feature of the Math Recovery® courses is to provide teachers with extensive professional development to further their understanding, knowledge, and skills in assessment and teaching of mathematical thinking in students.
- The Add+VantageMR® Fractions Course contains two assessments: a written-based assessment to assess units coordination and an interview-based assessment to provide diagnostic information on a child's understanding of fractions. Working together, these assessments provide a comprehensive student profile used to inform instruction.

