



Consortium on Reaching Excellence in Education®

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Help Students Master Fractions

Deepen your knowledge of fractions and how to deliver evidence-based instruction that develops students' mathematical proficiency with fractions.

Join the pilot course and save over 50%, plus receive a \$50 Amazon gift card!

April 15–May 13, 2021

The Online Math Academy — Fractions pilot offers two online, asynchronous

facilitated courses. Choose one to participate in this spring. At the end of the course, we will ask for your feedback and suggestions so that we can continue to improve the content, format and delivery of the course. In addition to earning 16 hours of professional development credit, you'll receive a \$50 Amazon card to thank you for your input.

Select which course topic you would like to register for along with the number of people you would like to register using the drop-down menus below. Then, click the blue "Register Now" button to the right of the drop-down boxes to enter the attendee information. Please note, registration closes one week before the course start date.

Register for either course for just \$90 per participant. That's more than a 50% savings on the regular \$190 course fee!

Pilot participation is limited to just 15 people per course. Register now before the courses fill up!

Fraction Meaning, Equivalence, Addition, and Subtraction: April 15–May 13, 2021

Details	Price	Qty
1–15 Attendees	\$90.00 (USD)	Sold Out

Multiplication and Division with Fractions: April 15–May 13, 2021

Details	Price	Qty
1–15 Attendees	\$90.00 (USD)	

Deepen Your Knowledge of Evidence-Based Instructional Practices for Teaching Fractions

Fractions are often one of the toughest mathematical concepts for students to learn. However, proficiency with

fractions has been shown to be vital for success with more complex mathematics, such as algebra. The CORE Online Math Academy courses provide the opportunity to build your understanding of teaching and learning fractions. During these highly interactive online courses, you will gain the understanding necessary to deliver evidence-based instruction that develops mathematical proficiency with fractions. This close examination of the Number-Operations-Fraction domain will increase your expertise and confidence in leading students to a deep understanding of fractions.



You may take either course whenever they are offered. They do not need to be taken sequentially, and you are not required to take both courses, though taking both will provide you with comprehensive knowledge of all aspects of teaching fractions.

Course Benefits

- Complete highly engaging modules on your own time during the course dates.
- Utilize a variety of learning modalities including visual models, video, problem-solving, hands-on manipulative activities, interactive resources, online discussions, and more!
- Learn with a balance of acquiring new information and the application of new learning.
- Explore conceptual, procedural declarative knowledge and problem-solving applications of fractions while modeling and discussing best practices.
- Benefit from direct access to course facilitators.
- Receive a Certificate of completion recognizing 16 hours of professional development per course.
- Earn optional graduate continuing education credit.

When you take either course, you will:

- Learn how fraction concepts and skills build and connect within and across conceptual topics and grade levels.
- Understand the meaning and uses of fractions.
- Explore and practice physical and visual models for operations with fractions.
- Describe the connections between visual and numerical representations of fractions

and operations with fractions.

- Develop flexibility with operations and uses of fractions.
- Learn strategies to address common misconceptions with fractions.
- Connect learning to your curriculum.

Explore the 2 Courses

Modules for Course 1: Fraction Meaning, Equivalence, Addition, and Subtraction

Each module takes approximately 1–3 hours to complete. The work can be done on your own time, at your own pace over the four weeks of the course.

1. Orientation and Introduction
2. Meaning and Modeling
3. Equivalence
4. Comparing Fractions
5. Adding Fractions
6. Subtracting Fractions
7. Course Wrap Up

[Download the Syllabus](#)

Modules for Course 2: Multiplication and Division with Fractions

Each module takes approximately 2–3 hours to complete. The work can be done on your own time, at your own pace over the four weeks of the course.

1. Orientation and Introduction
2. Multiplication with Fractions Part 1
3. Multiplication with Fractions Part 2
4. Division with Fractions Part 1
5. Division with Fractions Part 2
6. Course Wrap Up

[Download the Syllabus](#)

At the end of either course, participants will be able to:

- Flexibly use multiple models to represent fractions and operations with fractions.
- Connect physical and visual models to both number lines and numerical procedures with operations with fractions.
- Describe the progression of learning that leads to deep understanding for students.
- Connect conceptual and procedural learning of fractions across grade levels.
- Connect fraction operations to whole number operations.
- Use strategies to address common misconceptions.
- Identify the best practices for developing a rigorous understanding and mastery of fraction concepts and procedures.

Who should attend

This course is for individuals or teams of elementary educators who want to learn effective standards-aligned and research-based practices for the teaching and learning of fractions for all learners. Participants are expected to have regular access to computers with an Internet connection and proficiency with email and current internet browsers.

- Teachers (most appropriate for grades 3–6)
- Math specialists
- Principals/assistant principals
- Math instructional coaches
- Special Education and intervention teachers
- Pre-service teachers or classes

Materials

There are no required materials for the course. All necessary materials are provided within the course.

Fee per course

The standard cost of either fractions course is \$190 per participant. The pilot that starts April 15 is being offered for \$90 per participant, per course. That's more than a 50% savings! A certificate of completion citing 16 hours of professional development time devoted to study will be provided at the end of each course. Graduate continuing education credit is available for an additional fee.

Group discounts are not available for the pilot.

Custom cohorts

If you would like to host your own district-specific cohort of 15 or more people, please contact events@corelearn.com or call (510) 540-4200 ext. 4. With a custom cohort, you will choose your own dates and pacing of the course. You will also receive a dedicated instructor.

Graduate continuing education credit option

Participants may receive one (1) graduate-level semester extension unit for an additional cost of \$109 per course. Units are typically used for salary advancement. There are no additional requirements beyond successful completion of the course. Participants may register and pay for this unit once the course has started.

Refund information

A full refund of registration fees is available for cancellations 30 days or more prior to the course start date. A 50% refund is available for cancellations less than 30 days but more than 14 days prior to course start date.

Call 510-540-4200 ext. 4 to cancel a registration 14 or more days prior to course start date.

No refunds are available 13 days or less prior to course start date or anytime on or after course start date.

Take a Look at More Math Professional Learning Services from CORE

CORE offers many more services, workshops and publications to support your math professional learning. Take a look at our services overview to see which offerings align with your current goals for your students' math achievement. CORE professional learning experts are available to help you assess your needs and develop a long-term and sustained professional learning program that will help all learners succeed.

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