

Prerequisite courses: none

Grade level: 6-12

Course Description

Students will review basic fraction and decimal concepts and procedures, with a focus on comparisons and benchmarks. Students will review and apply fraction and decimal operations to an array of real-world problems.

This course is part of the Exceptional Students Course Suite, designed for high school students working three or more grade levels behind. The Exceptional Students courses are ideal for students whose IEPs allow them to earn credit for below-grade-level coursework. This particular course, because it addresses content and skills from elementary grades, is also appropriate for middle school students who are behind.

Course Objectives

Students will meet the following goals in this course.

- Relate a fraction to its visual representation as a fraction bar (both directions), explaining the role of the numerator and denominator.
- Generate equivalent fractions, including fractions in which either the numerator or denominator is already given.
- Rewrite fractions to have a common denominator.
- Model decimals to hundredths.
- Subtract by place value using a variety of strategies including counting up and the standard algorithm.
- Use rounding to estimate a product before computing as a means of developing a sense of the size of the product, including the position of the decimal point in the product.
- Order a list of fractions and decimals using various strategies, including a number line, common denominators, rounding, and benchmarks.
- Apply knowledge to real world problems.

Student Expectations

This course requires the same level of commitment from students as a traditional classroom course.

Students are expected to spend approximately 5–7 hours per week online on:

- interactive lessons, which include a mixture of instructional videos and tasks.
- assignments, in which they apply and extend learning in each lesson.
- assessments, including quizzes, tests, and cumulative exams.

Communication

Teachers will communicate with students regularly through discussions, emails, chats, and system announcements. Students will also communicate with classmates, either via online tools or face to face, to collaborate, ask and answer questions in peer groups, and develop speaking and listening skills.

Basic Math II

Grading Policy

Students will be graded on work completed online and work submitted electronically to the teacher. The weighting for each category of graded activity is listed below.

Grading Category	Weight
Assignments	20%
Lesson quizzes	30%
Unit tests	30%
Cumulative exams	20%

Scope and Sequence

When students log on to Imagine Edgenuity, they can view the entire course map—an interactive scope and sequence of all topics under study. The units of study are listed below

Course Units
Unit 1: Introduction to Fractions
Unit 2: Operations with Fractions
Unit 3: Introduction to Decimals
Unit 4: Operations with Decimals
Unit 5: Relationships Between Fractions and Decimals