Prerequisite courses: none   **Grade level:** 6-12

Course Description

Students will review whole-number operations, the relationships between operations, and applications of whole-number operations to real-world problems students will encounter in their lives as consumers and citizens. Students will also review basic fraction and decimals from a conceptual and procedure lens, as well as applied to 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.

- Add and subtract using whole numbers to create sums up to 20.
- Identify arithmetic patterns that connect multiplication to repeated addition and division to repeated subtraction.
- Describe numbers according to their characteristics (factors, multiples, prime, and composite).
- Use mental strategies to multiply and divide two whole numbers within 100 to increase fact fluency.
- Use estimation strategies based on an understanding of place value to predict and check sums.
- Divide whole numbers by powers of 10 by thinking about the change to place values.
- Evaluate expressions with multiple operations, including parentheses and brackets.
- Apply knowledge to solve 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.

Basic Math I

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.

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: Strategies for Operations
Unit 2: Whole Number Relationships
Unit 3: Multi-Digit Computations: Part One
Unit 4: Multi-Digit Computations: Part Two