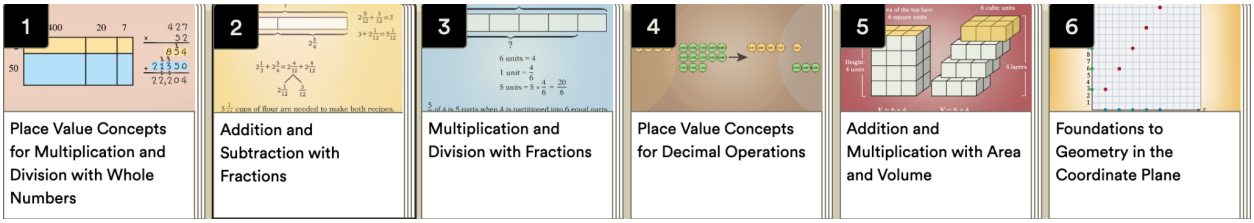
Module Overviews



Module 1: Place Value Concepts for Multiplication and Division with Whole Numbers

In module 1, students describe place value relationships, express powers of 10 with exponents, convert metric measurements, and multiply and divide by multi-digit numbers. They develop fluency with the standard algorithm for multiplication.

Module 2: Addition and Subtraction with Fractions

Module 2 enhances students' prior work with fractions to add and subtract fractions and mixed numbers with unlike denominators. Students also interpret a fraction as the result of dividing the numerator by the denominator and interpret data in line plots.

Module 3: Multiplication and Division with Fractions

In module 3, students use various strategies to multiply and divide with fractions. They multiply fractions by whole numbers and by fractions, divide whole numbers by unit fractions and unit fractions by whole numbers, and convert customary measurements.

Module 4: Place Value Concepts for Decimal Operations

In module 4, students relate their understanding of whole numbers and fractions to decimals. Decimal concepts include: describing place value relationships, rounding, comparing, adding, subtracting, multiplying, dividing, and converting measurements.

Module 5: Addition and Multiplication with Area and Volume

In module 5, students connect operations to geometric concepts. They find area of rectangles with fraction side lengths, multiply mixed numbers, and find the volume of right rectangular prisms. Students also categorize two-dimensional figures in a hierarchy.

Module 6: Foundations to Geometry in the Coordinate Plane

Module 6 introduces the coordinate plane. Students construct a coordinate plane, identify the location of points in the plane, and identify patterns in ordered pairs that create lines. They draw quadrilaterals in the plane and use the plane to represent data.