

# Mathematics-Grade 4 S1

## Description

In Math Grade 4, students will multiply and divide multi-digit whole numbers using different strategies and a standard algorithm. The course provides the opportunity for students to see the relationship between fractions and decimals and introduces addition and subtraction of each. Using a protractor to draw and measure angles is another focus of the course. Other engaging activities include learning about measurement and using median, mode, and range as ways to interpret data.

## Required Materials

Students will need the following materials: printer, cell phone or scanner, headset or earbuds, notebook, pen, pencils, erasers, scissors, coloring materials (markers, crayons, colored pencils), glue, tape, stapler, ruler, printer paper, lined paper, colored paper, and general household objects for activities.

## Major Topics and Concepts

### Segment One

- using place value patterns
- reading and writing whole numbers in different ways
- plotting, ordering, and comparing multi-digit whole numbers
- rounding multi-digit whole numbers
- adding and subtracting multi-digit whole numbers
- factors and multiples
- determining prime and composite numbers
- multiplying multi-digit numbers using strategies and a standard algorithm
- dividing by a one-digit number
- using number patterns
- understanding equations and variables
- understanding perimeter and area relationships
- finding median, mode, and range of whole numbers
- stem-and-leaf plots of whole numbers
- line plots with whole numbers