



## Decimal Notation

Students learn how to write fractions with denominators of 10, 100, and 1000 as decimals and how to write decimals as fractions.

## Decimal Expansion

Students learn that adding zeros after the decimal point does not change the value of the decimal.

## Operations

To add or subtract decimals, students make the same number of decimal places in each number and then line up the decimal points.

Students learn to multiply decimal numbers by 10, 100, and 1000 and learn the conventions of multiplying any two decimal numbers.

First students learn to divide a decimal number by a whole number. Then students learn to divide any number by a decimal or a mixed decimal.

## Convert Fractions to Decimals to Percents

Students learn to change any fraction to a decimal and to handle any type of decimal-percent conversion.

# Scope and Sequence Chart

## Fractions, Decimals, and Percents

	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70
<b>Fractions</b>															
Multiply three numbers: $3(2 \quad 5)$ .	■														
Generate equivalent fractions.	■														
Identify the biggest common factor.	■														
Generate a series of fractions equal to 1.	■														
Multiply, add, or subtract fractions and mixed numbers.	■														
Add or subtract fractions with uncommon denominators.	■														
Divide fractions.	■														
Reduce improper fractions to whole or mixed numbers.	■														
Identify the largest fraction in a group of fractions.															
Complete fraction equivalency equations.															
<b>Decimals and Percents</b>															
Read decimals.															
Convert fractions and mixed numbers with denominators of 10 or 100 to decimals.															
Convert fractions to decimals and decimals to fractions with denominators of 10, 100, or 1000.															
Convert decimals to fractions.															
Expand decimals to show that adding zeros after a decimal does not change the value of the decimal.															
Multiply decimals.															
Add decimals.															
Divide decimals.															
Convert decimals to percents.															
Convert percents to decimals.															
<b>Key:</b> Teach <span style="color: blue;">■</span> Review <span style="color: black;">■</span>															