



Mathematics

First Grade

1st Nine Weeks



This academic overview can be used to monitor and support your child's at-home learning progress

Unit 1: Composing and Decomposing to 10

Student Learning Targets

- I can use objects and pictures to solve word problems within 10 with a part unknown.
- I can make a 10 by combining numbers with and without objects.
- I can represent an addition or subtraction word problem within 10 using physical models, pictures, or a number sentence.

Questions to Check for Unit Understanding

- What are some different ways to represent a number?
- How can you combine parts (compose) to make a whole?
- How can you break apart (decompose) a number in different ways?
- How do you know when the word problem is asking you to join, separate, or compare quantities?

Key Academic Vocabulary

- whole: all of something (the entire amount)
- part(s): some but not all of something
- compose: putting a number together from its parts
- decompose: breaking apart a number into parts
- joining: the process of combining two or more numbers together to determine the total
- separating: the process of taking an amount (number) away from a whole (total)
- compare: determining the difference between two amounts (to find which is smaller/larger)

Unit 2: Foundations of Numbers to 20

Student Learning Targets

- I can see a set of objects and quickly know how many are there.
- I can use objects to build numbers in more than one way and draw pictures to represent what I built.
- I can use objects, pictures, expanded form, and standard form to represent numbers up to 20.
- I can use place value to compare numbers up to 20 using words.
- I can make a number that is greater than or less than another number within 20.
- I can collect, sort, and organize data using tally marks or a T-chart.

Questions to Check for Unit Understanding

- How does finding the number of tens and ones help you to compose and decompose a number?
- How does knowing place value help you compare numbers, or put them in order?
- How does where a digit is in a number determine its value?
- How can you collect data, or information about yourself or a group of people?

Key Academic Vocabulary

- subitize: the ability to tell the number of objects in a set, quickly, without counting
- digit: any number from 0 to 9
- ones: a single thing
- tens: a group or unit of ten things
- place value: the numerical value that a digit has by its position in a number
- tally mark: a way of keeping count by drawing marks and for easy counting (by 5s)
- data: information that is collected through observation of one or more people/objects.
- T-chart: a graphic organizer that separates information into two columns for the purpose of comparing