



Kindergarten Unit 7:

Using Numbers and Data to Make Sense of My World



Overview:

In this unit, students will further investigate place value and solve addition and subtraction problems in the real-world. They will explain patterns they see and have additional experiences in creating, extending, and describing patterns with numbers and shapes. Students will describe patterns related to the passage of time in their lives (yesterday, today, and tomorrow). Based on their interests and curiosity, they will create investigative statistical questions, collect data, analyze the data, and explain the data to answer their questions.

Learning Targets:

In Unit 7, students will:

- Describe numbers from 11 to 19 by composing and decomposing into ten ones and some more ones.
- Compose (put together) and decompose (break apart) numbers up to 10 using objects and drawings.
- Represent addition and subtraction within 10 using a variety of representations and strategies.
- Use a variety of strategies to solve addition and subtraction problems within 10.
- Fluently add and subtract within 5 using a variety of strategies to solve practical, mathematical problems.
- Create, extend, and describe repeating patterns with numbers and shapes, and explain the rationale for the pattern.
- Describe patterns involving the passage of time using words and phrases related to actual events.
- Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to solve problems relevant to everyday life.

Key Vocabulary:

add – put together	analyze	chunk	compare	compose
core	data	difference	decompose	explain
equal	extend	interpret	iteration	living
most common	pattern	quantity	represent	separate
set	sort	strategy	subtract	sum

Supporting Resources:

<http://ctlslearn.cobbk12.org/>

<https://pbskids.org/cyberchase/games/puddle-weigh-in>

<https://gavirtual.instructure.com/courses/33668#modules>

<https://www.abcya.com/games/roll-to-the-finish>

<https://www.roomrecess.com/mobile/GeoPatterns/play.html>

<https://gpb.pbslearningmedia.org/resource/7f71e3ad-1584-48fi-961b-aaad89a9ffb8/space-patterns-peg-cat/>