



### 2<sup>nd</sup> Grade Unit 5:

## Representing Sums & Differences within 1,000



### Overview:

In this unit, students will create, locate numbers, and represent whole number sums and differences within a standard unit of measurement on a number line diagram. Students will use these diagrams to illustrate part-whole strategies. Students will continue to develop their understanding of the value of numbers to 1,000 by representing, ordering, and comparing. Students will demonstrate an understanding of counting sequences. Students will apply the understanding of addition to 100 to solve real world problems involving addition and subtraction within 1,000.

### Learning Targets:

In Unit 5, students will:

- Create, locate numbers and represent whole number sums and differences.
- Continue to develop their understanding of and facility with addition and subtraction.
- Add up to 4 two-digit numbers.
- Use a variety of models (base ten blocks- ones, tens, and hundreds only; diagrams; number lines; place value strategies; etc.) to add and subtract within one thousand.
- Become fluent with mentally adding or subtracting 10 or 100 to a given three-digit number.
- Demonstrate fluency with addition and subtraction.
- Understand the relationship between addition and subtraction (inverse operations).
- Represent three-digit numbers with a variety of different models (base ten blocks- ones, tens, and hundreds only; diagrams; number lines; place value strategies; etc.).
- Recognize and use place value to manipulate numbers.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

Addition	Commutative Property	Comparing	Compose
Decompose	Decomposing	Dime	Equal
Fluency	Hundreds	Identity Property	Join
Greater Than	Model	Ones	Nickel
Penny	Place Value	Quarter	Scale

### Supporting Resources:

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

<https://tangmath.com/placevalue>

<https://www.geogebra.org/m/av6psbf7#material/k2DDxjPU>

<https://phet.colorado.edu/en/simulations/make-a-ten/about>

<https://apps.mathlearningcenter.org/number-line/>

<https://toytheater.com/math-mine-add-subtract/>

