

# MP2c-Fluently Subtract Within 100

Content Area: **Mathematics**  
Course(s): **Math 2**  
Time Period: **Marking Period 2**  
Length: **MP2 Topic 6-1 to 6-7**  
Status: **Published**

## Essential Questions

---

- What are strategies for subtracting numbers to 100?

## Big Ideas

---

- **Add and Subtract on a Hundreds Chart:** Students will see regularity in the structure of the number system when they add on the hundred chart and subtract on a hundred chart.
- **Add and Subtract on an Open Number Line:** Students will use an open number line and the strategy of counting on to add.
- **Compose and Decompose Numbers to Add and Subtract:** Students will learn to break apart numbers to subtract.
- **Partial Sums Method:** Students will employ the partial sums method for adding within 100.
- **Foundations for the Standard Algorithms:** Students will use place-value blocks and place-value mats to demonstrate and explain regrouping, and 2-digit place-value frames to record the steps.
- **Properties and Relationships:** Students will add three or more 2-digit numbers.
- **One- and Two-Step Problems:** Students will solve one and two-step word problems involving addition and subtraction.

## Technology Integration

---

8.1.2.AP.2: Model the way programs store and manipulate data by using numbers or other symbols to represent information.

Activity:

Students will work in small groups to complete a subtraction review. These interactive google slides will have students using different subtraction strategies to find solutions to problems. As they identify appropriate operations, they will drag and drop the numbers/symbols to solve before checking their answers on the SmartTV.

## Enduring Understandings

---

## **Operations and Algebraic Thinking**

**2.OA.A.1** Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

## **Number and Operations in Base Ten**

**2.NBT.B.5 (M)** Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

**2.NBT.B.9 (M)** Explain why addition and subtraction strategies work, using place value and the properties of operations.

## **Mathematical Practices Focus**

---

2. Reason abstractly and quantitatively.