

# Unit 4c-Fluently Add And Subtract Within 1,000

Content Area: **Mathematics**  
Course(s): **Math 3**  
Time Period: **Marking Period 4**  
Length: **MP4 Topic 9 9-1 to 9-8**  
Status: **Published**

## Essential Questions

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- What are the procedures for adding and subtracting whole numbers?

## Big Ideas

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- **Place Value Concepts-** Students learn strategies of partial sums and partial differences which are based on place value.

## Diversity Integration

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Objective: Utilize different ethnic restaurant menus to create their ideal meal purchase.

Activity: Students will work in partners and be given menus from different cuisines. Students will learn about different types of food, then they will choose a drink, an appetizer, an entree, and a dessert from different types of restaurants. Students will then work with their partners to see the final cost of their meal.

## CSDT Technology Connection

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8.1.5.AP.3: Create programs that include sequences, events, loops, and conditionals.

## Enduring Understandings

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### Number and Operations in Base Ten

**3.NBT.A [M]** Use place value understanding and properties of operations to perform multi-digit arithmetic

**3.NBT.A.2** Fluently add and subtract within 1000 using strategies and algorithms based on place value,

properties of operations, and/or the relationship between addition and subtraction

### **Operations and Algebraic Thinking**

**3.OA.C.7** Fluently multiply and divide within 100 using strategies such as the relationship between multiplication and division (knowing that  $8 \times 4 = 40$ , one knows  $40$  divided by  $5 = 8$ ) for properties of operation.

**3.OA.D.8** Solve two -step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding

### **Mathematical Practices Focus**

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3. Construct viable arguments and critique the reasoning of others.