# MP1b-Fluently Add and Subtract Multi-Digit Whole Numbers

Content Area: Mathematics

Course(s): Math 4 Resource Room
Time Period: Marking Period 1
Length: MP1 Topic 2 2-1 to 2-6

Status: **Published** 

## **Essential Questions**

- How can sums and differences of whole numbers be estimated?
- What are standard procedures for adding and subtracting whole numbers?

#### **Big Ideas**

- Fluently Add and Subtract Whole Numbers: Students will develop fluency in adding and subtracting multi-digit whole numbers up to 100.
- Solve One-Step Problems: Students will use addition and subtraction to solve problems involving whole numbers.

# **CSDT Technology Integration**

8.1.5.A.1 Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.

#### Activity:

Students will work independently in the IXL program to answer questions about addition and subtraction. The specific skills in IXL related to this standard are B1 - B9 and C1 - C7. The program will track students progress on these skills.

## **Cross-Curricular Integration**

**Integration Area: Science** 

4-ESS3-2 Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.

#### **Activity:**

Students will use the internet or other sources to find how much water is used for household activities like taking a shower or bath, using a dishwasher, hand washing, washing dishes, and using a washing machine. Then, students add all of the amounts together to figure out how many gallons of water are used in the household per day, and week,

#### **Enduring Understandings**

### **Operations and Algebraic Thinking**

4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. 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.

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

4.NBT.B.4 [M] Fluently add and subtract multi-digit whole numbers using the standard algorithm.

#### **Mathematical Practices Focus**

2. Reason abstractly and quantitatively.