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.