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

| Content Area: | Mathematics |
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| 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.


## 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

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[^0]:    2. Reason abstractly and quantitatively.
