



DISTRICT OF COLUMBIA  
PUBLIC SCHOOLS

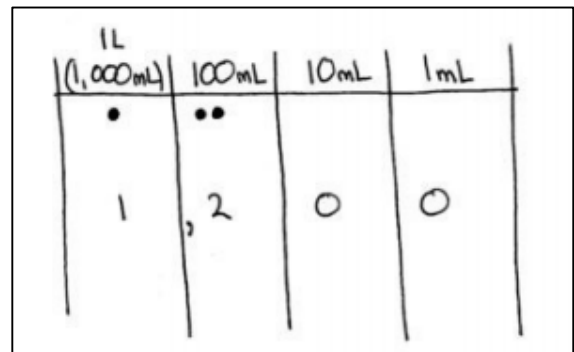
## A Story of Units...

# Applying the Operations

Fourth grade begins with a continuation of common themes in third grade - place value and the four operations – addition, subtraction, multiplication, and division. Students improve these skills through application problems and exercises. After learning about place value in third grade, students begin to think about the digits in a multi-digit as being the 10 times the size of the digit to their right. In Module 2 students continue to study measurement as they increase their awareness of the standardized systems of measurement.

### In Module 1 we will:

- **Solve** addition, subtraction, multiplication, and division problems with whole numbers
- **Broaden** our understanding of place value in multi-digit numbers
- **Read and write** multi-digit whole numbers
- **Use** place value understanding to round multi-digit numbers
- **Fluently** add and subtract multi-digit whole numbers



### In Module 2 we will:

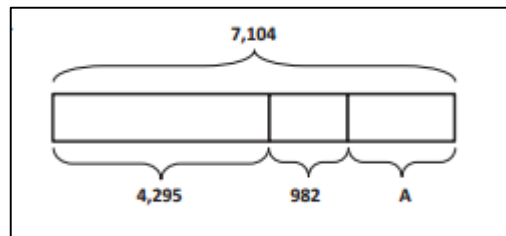
- **Know** relative sizes of measurement units within a system (i.e. a meter is 100 centimeters)
- **Solve** application problems using the four operations

## Enrichment Activities

In school, your child will...	At home, your child can...
Students will complete activities such as writing their own <b>word problem</b> to describe a mystery diagram, such as the one below.	<b>Draw</b> diagrams to describe a naturally occurring problem using the four operations- such as - determining how many pages a chapter of a book is if you know all of the other chapters and the total length, or doubling a cookie dough recipe.

## Focus Standards for Mathematical Practice

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively; students represent quantities with numerals
- Use reasoning to construct arguments and think about the reasoning of others
- Use tools strategically and appropriately
- Use precision and focus when solving a problem
- Look for and make use of structure
- Look for and express regularity in repeated reasoning



## Fluency Focus

Students will work on their fluency of adding and subtracting multi-digit whole numbers through games and activities. In Module 2, they will develop measurement system fluency.