

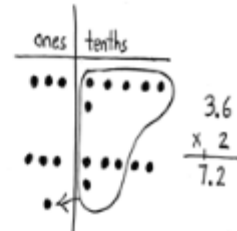
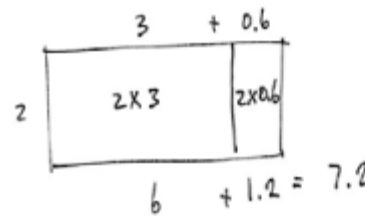
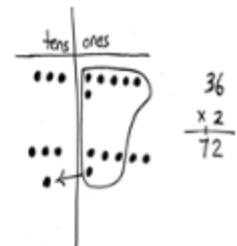
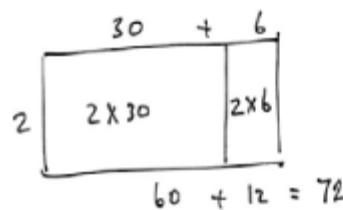


DISTRICT OF COLUMBIA
PUBLIC SCHOOLS

A Story of Units...

Place Value and Computation

Fifth graders begin the year by strengthening operational skills by studying place value and computation of multi-digit numbers and decimals. This groundwork will prepare the students for explorations in fractions, volume, area, and the coordinate plane later in the year. They will start with more concrete representations of their work (manipulatives and drawings) and progress towards abstract computation (algorithms).



In Module 1 we will:


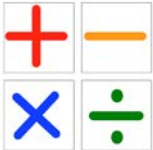
- **Recognize** the relative place values of digits within a large multi-digit number
- **Explain** patterns in the number of zeroes of the product when multiplying by powers of 10
- **Read, write, and compare** decimals to thousandths
- **Round** decimals using an understanding of place value
- **Apply** the four operations to decimals to the hundredths
- **Convert** units within measurement systems

In Module 2 we will:

- **Use** and evaluate (parentheses), [brackets], or {braces} in expressions
- **Write** simple expressions to record calculations
- **Fluently** multiply and divide multi-digit whole numbers
- Add, subtract, multiply, and divide **decimals** to the hundredths



Enrichment Activities

In school, your child will...	At home, your child can...
<p>Use their multiplication of decimals skills to plan purchases for a Makerspace in the first Cornerstone.</p> <div style="text-align: center;"> $\begin{array}{r} 4.75 \\ \times 6 \\ \hline \end{array}$ </div> <p>Use a place value chart to multiply numbers by multiples of 10.</p> 	<p>Calculate costs while shopping for groceries. For example, if yogurts are \$1.27 each and we buy 4, what will the total cost be?</p> <p>Practice the four operations whenever relevant and possible.</p> 

Focus Standards for Mathematical Practice

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively. Students represent quantities with numerals.
- 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

In the first two modules, fluency practice emphasizes more advanced computation of the four operations as well as conversion between fractions and decimals.

a. $3.452 \times 10 = \underline{34.52}$

