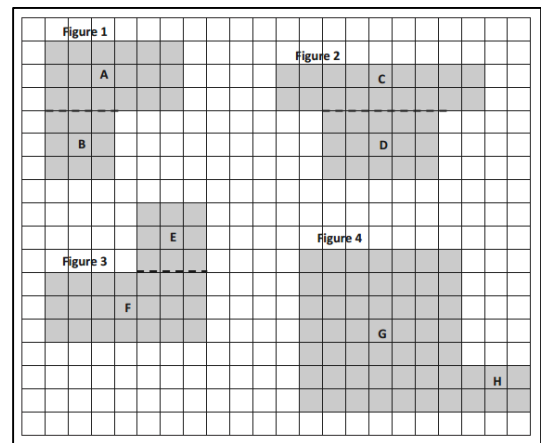




A Story of Units...

Expanding on Multiplication

Third grade math classes continue their journey in “A Story of Units” by elaborating on the students’ understanding of multiplication. Students will increase overall fluency while incorporating the concept of area. In figures such as those on the right, students will multiply with unit squares to measure area.



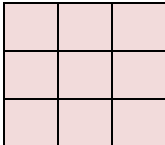

In Module 3 we will:

- **Solve** a variety of multiplication and division problems
- **Determine** an unknown number in a multiplication or division equation with three whole numbers
- **Apply** properties of operations as strategies
- **Fluently** multiply and divide within 100
- **Solve** two-step word problems using the four operations
- **Identify** arithmetic patterns
- **Multiply** one-digit numbers by multiples of 10

In Module 4 we will:

- **Recognize** area as an element of 2-dimensional figures
- **Measure** areas by counting unit squares
- **Relate** area to the operations of multiplication and addition
- **Measure and estimate** liquid volumes and masses using standard units

Enrichment Activities

In school, your child will...	At home, your child can...
<p>Play games such as “Make Seven” where students work on skip-counting and work together to play a game</p> <p>Practice discussing area by counting unit squares: i.e., 3 rows and 3 columns</p> 	<p>When completing tasks around the house, answer questions such as “how many more strawberries do we need to have 9?”</p>  <p>Discuss the area of a tiled room floor as the number of tiles it takes to cover the floor.</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 reasoning to construct arguments and think about the reasoning of others
- Model decompositions by drawing and writing (such as 3 can be broken into 1 and 2)
- 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 operation fluency and relationships. They will work together in activities such as **Familiar Facts** where students connect multiplication and division conceptually.

$$2 \times 3 = 6$$

$$3 \times 2 = 6$$

$$6 \div 2 = 3$$

$$6 \div 3 = 2$$