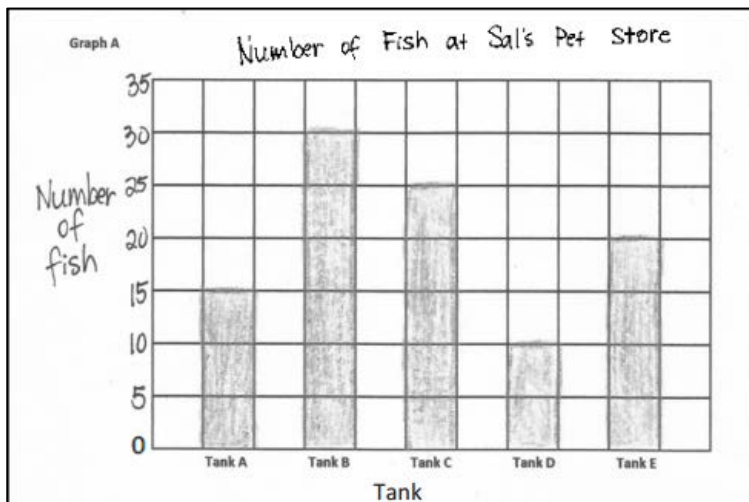




DISTRICT OF COLUMBIA
PUBLIC SCHOOLS

A Story of Units...

Fractions and Data



In this quarter, 3rd grade students will use their math skills to practice interpreting data and measuring objects. These topics bring students closer to real applications of math on which they have been working. The bar graph on the left is a student's example of graphing data. The students also begin an important introduction to unit fractions.

In Module 5 we will:

- **Understand** the fraction a/b as the quantity formed by a parts when a whole is partitioned into b equal pieces
- **Relate** fractions to their positions on a number line
- **Explain** equivalence of fractions and compare fractions with logical reasoning
- **Partition** shapes into equal parts

In Module 6 we will:

- **Draw** scaled picture and bar graphs to represent data
- **Generate** measurement data using rulers

Enrichment Activities

| In school, your child will... | At home, your child can... |
|---|---|
| Practice measuring objects with rulers that measure to the quarter and half inch | Measure objects around the house either with a ruler or with the 8 ½ inch measure at the bottom of this page |
| Interact with data through bar graphs | Create a bar graph using measurements found around the house |

Focus Standards for Mathematical Practice

- 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

Fluency Focus

The fluency practice sessions for this quarter focus on visually recognizing math. In the *Read Bar Graphs* exercise, students are quizzed as a class to recognize trends in data representations. Similar exercises are done with line graphs throughout the quarter. These fluency exercises have a focus on real world applications for third grade math.

