

Dear Parents,

We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.

Sincerely,

Your Child's Teacher

## Unit Name: Equalities and Inequalities

### Common Core State Standards:

**3.OA.4** Determine the unknown whole number in a multiplication or division equation relating three whole numbers. *For example, determine the unknown number that makes the equation true in each of the equations  $8 \times ? = 48$ ,  $5 = \square \div 3$ ,  $6 \times 6 = ?$ .*

### Essential Vocabulary:

- Equal
- Inequality
- Balanced
- Equation
- Area Problem
- Array Problem
- Repeated Groups
- Variable

### Unit Overview:

The students may have some difficulty with the concept of equality because of their prior ideas about what the equals sign (=) means in a math equation. In this unit the students will learn that the equals sign (=) really shows balance between the different sides of an equation. For example in the equation  $7 \times 8 = 56$ . The 7 and the 8 make 56 so the equation is  $56 = 56$  where both sides of the equation are balanced. The students will also see equations like  $4 \times 7 = 14 \times 2$ . Both sides of the equation again equal 28. The students will also be asked to find equations that show an inequality such as  $8 \times 7 = 3 \times 9$ . In this equation 56 does not equal 27. The students will be asked to find out the unknown in an equation. For example in the equation  $9 \times ? = 27$  the students can use their knowledge of multiplication and division to solve this problem with the unknown being 3.

### Strategies/Skills:

- Multiplication Arrays
- Area Models
- Relationship between multiplication and division
- Knowledge of the symbols less than (<), greater than (>), and equal to (=).

### Video Support:

- No videos referenced for this unit.

### Additional Resources:

If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.

- NCDPI Unpacking Document: [3<sup>rd</sup> Grade Unpacking Document](#)

**Wake County Public Schools, Unit Overview for Parents**

*This document should not replace on-going communication between teachers & parents.*