

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: Decimal Place Value

### Common Core State Standards:

**5. NBT. 3** Read, write, and compare decimals to thousandths.

a. Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g.,  $347.392 = 3 \times 100 + 4 \times 10 + 7 \times 1 + 3 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$ .

b. Compare two decimals to thousandths based on meanings of the digits in each place, using  $>$ ,  $=$ , and  $<$  symbols to record the results of comparisons.

### Essential Vocabulary:

- ones
- tenths
- hundredths
- thousandth
- place value chart
- equality
- inequality
- decimal secret code cards (place value cards)
- expanded form

### Unit Overview:

Students will build on their decimal work from fourth grade. Expanded form deepens students' understanding of place value. They will use expanded form and include fractions ( $14.3 = 10 + 4 + 3/10$ ). Students build on their understanding of place value to read, write, and compare decimals to thousandths. They read decimals using fractional language and write decimals in fractional form. Students need to understand the size of decimal numbers and relate them to common benchmarks such as 0, 0.5, and 1. Comparing tenths to tenths, hundredths to hundredths, and thousandths to thousandths is made easier if students use their understanding of fractions to compare decimals.

### Strategies/Skills:

Students are expected to use a variety of methods and strategies to extend their understanding of decimals.

- Number lines
- Base ten blocks
- Place value charts
- Grids
- Pictures/ drawings

### 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: [5<sup>th</sup> Grade Unpacking Document](#)

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

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