

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: Decimals

Common Core State Standards:

4.NF.6 Use decimal notation for fractions with denominators 10 or 100 (e.g. $62/100$ as $.62$).

4.NF.7 Compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when the two decimals refer to the same whole.

Essential Vocabulary:

- Decimal
- Fraction
- Unit fraction
- Equivalent
- Partition
- Reason
- Denominator
- Numerator
- Decomposing

Unit Overview:

In this unit, students will apply their understanding of fractions to help them understand decimal equivalence. Decimals are introduced for the first time in 4th grade. Students will make connections between fractions with the denominators of 10 and 100 within the place value chart. Students will use reading decimals aloud to help them understand the fractional equivalence as well. In addition, students will use their reasoning skills to compare decimals from the same whole.

Strategies/Skills:

Students will build on their understanding of fractions from 3rd grade to make sense of decimals when comparing their equivalency. They are expected to use a variety of models to support their reasoning about numbers.

- Fraction bars and circles
- Place value chart
- Number line
- Grid models
- Ruler/meter stick

Video Support:

Video support can be found on LearnZillion.

- <http://learnzillion.com>
 - Convert decimals to fractions to the tenths place using number line
<https://learnzillion.com/student/lessons/1424-convert-decimals-to-fractions-to-the-tenths-place-using-number-lines>
 - Convert decimals to fractions to the hundredths place using visual aids
<https://learnzillion.com/student/lessons/1425-convert-decimals-to-fractions-to-the-hundredths-place-using-visual-aids>
 - Convert fractions to decimals to the tenths place using visual aids and division
<https://learnzillion.com/student/lessons/1426-convert-fractions-to-decimals-to-the-tenths-place-using-visual-aids-and-division>

Wake County Public Schools, Unit Overview for Parents

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

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- Convert fractions to decimals to the hundredths place using division
<https://learnzillion.com/student/lessons/1427-convert-fractions-to-decimals-to-the-hundredths-place-using-division>
- Compare two decimals to the hundredths place using fraction models
<https://learnzillion.com/student/lessons/3217-compare-two-decimals-to-the-hundredths-place-using-fraction-models>
- Compare two decimal dollar amounts using coin values
<https://learnzillion.com/student/lessons/3158-compare-two-decimal-dollar-amounts-using-coin-values>
- Compare two decimals to the hundredths place using a number line
<https://learnzillion.com/student/lessons/3354-compare-two-decimals-to-the-hundredths-place-using-a-number-line>
- Compare two decimal lengths using a ruler
<https://learnzillion.com/student/lessons/3385-compare-two-decimal-lengths-using-a-ruler>

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: [4th Grade Unpacking Document](#)