

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: Adding and Subtracting Decimals

Common Core State Standards:

5.NBT.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Essential Vocabulary:

- regroup
- ungroup
- place value

Unit Overview:

Students use the same place value understanding for adding and subtracting decimals that they used for adding and subtracting whole numbers. Students should be able to express that when they add decimals they add tenths to tenths and hundredths to hundredths. So, when they are adding with the numbers 'stacked' (numbers beneath each other), it is important that they write numbers with the same place value beneath each other. They may choose to put 0s in places so that all numbers show the same number of places to the right of the decimal point. The process of composing (regrouping) and decomposing (ungrouping) a base-ten unit is the same for decimals as for whole numbers. This can be reinforced by connecting addition of decimals to their understanding of addition of fractions. Adding fractions with denominators of 10 and 100 was learned in fourth grade.

Strategies/Skills:

Students will use a variety of tools to add and subtract decimals. Students will solve real-world addition and subtraction problems involving decimals.

- Grid models
- Number lines
- Place value charts (to help students align place values & decimals before adding or subtracting)

Video Support:

Video support can be found on The WCPSS Academics YouTube Channel.

- <http://tinyurl.com/WCPSSAcademicsYouTube>
 - ES 5 Math Add & Subtract Decimals w Base Ten Blocks:
<http://www.youtube.com/watch?v=t66sDWGe4PM&list=PLNDkuWRw1gGRpuFSgmHjf07KamFfq8Gz&index=8>
 - ES 5 Math Add & Subtract Decimals with Number Lines:
<http://www.youtube.com/watch?v=LJBn8N87njg&list=PLNDkuWRw1gGRpuFSgmHjf07KamFfq8Gz&index=9>
 - ES 5 Math Subtract Decimals with Base Ten Blocks:
<http://www.youtube.com/watch?v=t66sDWGe4PM&list=PLNDkuWRw1gGRpuFSgmHjf07KamFfq8Gz&index=8>

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: [5th Grade Unpacking Document](#)

Wake County Public Schools, Unit Overview for Parents

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