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: Comparing Fractions

Common Core State Standards:

4.NF.2 Compare two fractions with different numerators and different denominators, e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction such as 1/2. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record results of comparisons with symbols >, =, or <, and justify the conclusions, e.g., by using a visual fraction model.

Essential Vocabulary:

- Operations
- Greater than
- Greater less
- Fraction
- Unit fraction
- Equivalent/equal
- Multiple/multiply

- Reason
- Denominator
- Numerator
- Decomposing
- Mixed number

Unit Overview:

In this unit, students will apply their understanding of fractions to compare fractions by using visual models or finding common denominators or numerators. In addition, students need to use the following symbols to help compare fractions: >, =, <. ***Students' focus should be on visual models NOT on algorithms.**

Strategies/Skills:

Students will build on their understanding of fractions from 3rd grade to make sense of larger fractions when adding, subtracting and equivalence. They are expected to use a variety of models to support their reasoning about numbers.

- Fraction bars
- Number Line

Video Support:

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

- http://tinyurl.com/WCPSSAcademicsYouTube
  - Comparing Fractions 1
  - Comparing Fractions 2

Video support can be found on LearnZillion.

- http://learnzillion.com
  - Compare fractions using the benchmark fraction 1/2
    https://learnzillion.com/student/lessons/1431-compare-fractions-using-the-benchmark-fraction-1-2
  - Compare fractions using the benchmark of one whole
    https://learnzillion.com/student/lessons/1432-compare-fractions-using-the-benchmark-of-one-whole

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- o Compare fractions with different denominators using a number line
  https://learnzillion.com/student/lessons/1433-compare-fractions-with-different-denominators-using-number-lines
- o Compare fractions by creating common denominators
  https://learnzillion.com/student/lessons/1436-compare-fractions-by-creating-common-denominators
- o Use a number line to represent a fraction greater than one
  https://learnzillion.com/student/lessons/1437-use-a-number-line-to-represent-a-fraction-greater-than-one

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