

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: Line Plots

Common Core State Standards:

4.MD.4 Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Solve problems involving addition and subtraction of fractions by using information presented in line plots.

Essential Vocabulary:

- Fraction
- Units
- Addition/joining
- Subtraction/separating
- Measure
- length
- Distance

Unit Overview:

In this unit, students will apply their understanding of fractions when plotting the different fractions on a line plot diagram. Students will be measuring and plotting different objects to an eighth of an inch. Students will also be using these different skills to solve problems using the information provided.

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.

- Line plot diagram

Video Support:

Video support can be found on LearnZillion.

- <http://learnzillion.com>
 - Create a line plot with fractions of a unit (with like denominators)
<https://learnzillion.com/student/lessons/3187-create-a-line-plot-with-fractions-of-a-unit-with-like-denominators>
 - Create a line plot with fractions of a unit (unlike denominators)
<https://learnzillion.com/student/lessons/3232-create-a-line-plot-with-fractions-of-a-unit-unlike-denominators>
 - Solve Problems by interpreting data on a line plot
<https://learnzillion.com/student/lessons/3153-solve-problems-by-interpreting-data-on-a-line-plot>
 - Solve word problems involving the addition of fractions by interpreting data on a line plot
<https://learnzillion.com/student/lessons/3188-solve-word-problems-involving-the-addition-of-fractions-by-interpreting-data-on-a-line-plot>
 - Solve word problems involving the subtraction of fractions by interpreting data on a line plot
<https://learnzillion.com/student/lessons/3233-solve-word-problems-involving-the-subtraction-of-fractions-by-interpreting-data-on-a-line-plot>

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](#)

Wake County Public Schools, Unit Overview for Parents

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