5th Grade Unit 4:
Building Fraction Understanding

Overview:

In this unit, students will compare and order fractions, and add and subtract fractions with unlike denominators. They will use reasoning and build on strategies learned in previous grades for generating equivalent fractions. Students will extend their understanding of linear representations and use number lines to solve problems with dot plots showing measurements with $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$. Students will also ask and answer statistical questions using the statistical reasoning framework which includes collecting, organizing, and interpreting data.

Learning Targets:

In Unit 4, students will:

- Describe fractions and perform operations with fractions to solve relevant, mathematical problems using part-whole strategies and visual models.
- Compare and order up to three fractions with different numerators and/or different denominators by flexibly using a variety of tools and strategies.
- Model and solve problem involving addition and subtraction of fractions and mixed numbers with unlike denominators.
- Solve problems involving customary measurements, metric measurements, and time and analyze graphical displays of data to answer relevant questions.
- Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to solve problems relevant to everyday life.

Key Vocabulary:

addition/add	Improper fraction/ fraction greater than 1	mixed number
benchmark fraction	common denominator	denominator
difference	estimate	equivalent
fraction	numerator	reasonableness
subtraction/subtract	unit fraction	

Supporting Resources:

http://ctlslearn.cobbk12.org/

https://phet.colorado.edu/en/simulations/fractions-equality

https://gavirtual.instructure.com/courses/34730#modules

Understand fractions | Arithmetic | Math | Khan Academy

https://apps.mathlearningcenter.org/fractions/

https://www.geogebra.org/m/j4w554q8#material/WYphpjah