Fifth Grade

Math Learning Progression

Vocabulary: fraction, addition, subtraction, fluently, visual, common denominator, numerator, compare, equivalent, compare, valid, justify

4.2.F Finding Fractional Parts of a Whole or Group Write a fraction equivalent to a given fraction, and recognize comparisons are only valid when two fractions refer to the same whole.

> "I can identify equivalent fractions, decimals, and percents and solve realworld problems about finding fractional parts of a whole or a group."

Formative Assessments: Real-World Examples Create story Problems Demonstrate Fraction Equivalents Build Fraction Family Charts

Comparing and ordering fractions Given two fractions or mixed numbers, compare and order on a number line, in lists, with symbols, and justify their placement through reasoning.

> "I can use fraction equivalents and relationships of fractions to One and marks such as ½ and 1 to compare fractions, and I can order fractions with like and unlike denominators, using words, pictures and symbols."

Formative Assessments: Geoboards Base 10 Blocks Folded Strips Pattern Blocks Circle Fractions 5.2.C Given two fractions with unlike denominators, rewrite the fractions with a common denominator.

> "I can rewrite fractions with common denominators by using what I know about fraction families."

Formative Assessments: Common Denominator Chart Money Folded paper strips Fraction circles, squares

5.2.A Represent addition and subtraction of fractions and mixed numbers using visual and numerical models, and connect the representation to the related 5.2.E Fluently and accurately add and subtract fractions, including mixed numbers CCSSM 4.NF.3

"I can use rectangles, rotation on a clock face, and the number line to represent and visualize addition and subtraction of fractions." "I can find the missing parts of a whole." Formative Assessments: Base 10 blocks

Money Clocks Geoboards Dominoes Area Models



Math & Science Collaborative Inquiry Project