## **Fifth Grade**

## **Math Learning Progression**

**Vocabulary:** divisor, common fraction, reciprocal, reciprocate, mixed number, algorithm, complex fraction.

Visually show a division of 1 by any fraction (smaller than 1), i.e.  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{2}{5}$ ,  $\frac{3}{5}$ ,  $\frac{4}{5}$  and say a rule related to the divisor

> "I can demonstrate and explain visually what happens when the number 1 is divided by a common fraction, and the rule that relates to the divisor."

Formative Assessments: Pattern Blocks Shapes circle, square, etc. Cuisenaire Rods Base 10 blocks Money Dot Paper Geoboards

Visually show a division of any whole number by any fraction (smaller than 1, i.e. 2/3, 3/4, 2/5, 3/5, 4/5) and use a rule related to the divisor. Be able to explain the rule.

> "I can demonstrate and explain visually what happens when any whole number is divided by a common fraction, and the rule that relates to the divisor."

> > Formative Assessments: Pattern Blocks Shapes circle, square, etc. Cuisenaire Rods Base 10 blocks Money Dot Paper Geoboards

Visually show a division of any whole number by any fraction (greater than 1) and use a rule related to the divisor. Be able to explain the rule

> "I can demonstrate and explain visually what happens when any whole number is divided by any fraction greater than 1, and the rule that relates to the divisor."

Formative Assessments: Pattern Blocks Shapes circle, square, etc. Cuisenaire Rods Base 10 blocks Money Dot Paper

Visually show a division of any fraction (smaller than 1) by any fraction and use a rule related to the divisor. Be able to explain the rule

> "I can demonstrate and explain visually what happens when any common fraction is divided by another fraction, and the rule that relates to the divisor."

Accurately

divide any

fraction by any

fraction and be

able to explain

the rule that

applies to the

operation

Formative Assessments: Pattern Blocks Shapes circle, square, etc. Cuisenaire Rods Base 10 blocks Money Dot Paper 6.1.D Fluently and accurately divide nonnegative fractions and explain the inverse relationship between multiplication and division with fractions *CCSSM 5.NF.7* 

"I can accurately divide any fraction by any fraction and explain the rule that applies to the operation."

Formative Assessments: Pattern Blocks Shapes circle, square, etc. Cuisenaire Rods Base 10 blocks Money Dot Paper Paper and pencil



Math & Science Collaborative Inquiry Project