First Grade
Math Learning Progression

Vocabulary: equal, analog, digital, hour, half hour, fraction, division, portions

Division of food examples into equal portions for all participants (1/2s and 1/4s)

"**I can** divide food accurately and evenly with my friends at a party or in school."

Formative Assessments:

Share a cookie

Share an apple / orange

Divide a picture of a food item

Use an Analog clock to read time to the hour and ½ hour

"**I can** explain and demonstrate periods of classroom time using correct fraction vocabulary."

Formative Assessments:

Draw ½ hour increments on a clock

Write digital numbers to match an analog clock

Identify AM and PM activities

Use a school calendar to explain and demonstrate fractional parts of the school year (180 days)

"**I can** separate the days of the school year into 2, 3, 4, and 10 equal parts."

Formative Assessments:

Students keep a monthly calendar and they mark off days to identify portions of the year using fraction vocabulary

Identify and describe fractional parts of a container or measuring device

"**I can** identify and explain when a container is ¼, ½, ¾, and fully filled."

Formative Assessments:

Using class behavior incentive jar, students identify the jar's amount of fullness in fractional terms.

Students use fraction vocabulary when comparing the amount of liquids and solids in a variety of containers

Using a given whole number, amount or set of objects, explain and demonstrate division into fractional parts (¼ . ½. ¾)

"**I can** identify explain and describe equal parts (¼, ½, ¾) of the whole when given sets of real-world models (tickets, popcorn, time, etc.)."

Formative Assessments:

Students will explain quarters and halves of events that occur over time. (sporting events)

Circle and square manipulatives, Breaking wholes into parts

CCSSM 1.G.3
Relate parts of a whole to real-life examples

Northwest Educational Service District 189
Together We Can
Math & Science Collaborative Inquiry Project