

Kindergarten

Math Learning Progression

Vocabulary: divide, equal, parts, pieces, portions, halves, fourths, clock, face, analog, digital, symmetry, pennies, nickels, dimes, demonstrate, trapezoid, rhombus, hexagon, triangle, $\frac{1}{2}$, $\frac{1}{4}$

Read / tell a story about sharing and dividing a whole for all partners

"I can tell or read a story about sharing equal parts of food or toys with my friends or partners."

Formative Assessments:
Paper / real examples of
Cookies
Candy Bars
Playdough

Use pattern blocks to create designs with equal parts

"I can create designs that have equal parts by using manipulatives."

Formative Assessments:
Pattern Blocks
Trapezoids to Hexagons
Triangles to Rhombi

Use symmetry to explain and demonstrate equal halves

"I can show two equal halves by using manipulatives,"
"I can color a butterfly picture in two equal halves."

Formative Assessments:
Pictures or drawings of:
Butterfly
Heart
Full Moon
Clock face

Use an Analog clock to demonstrate time to the $\frac{1}{2}$

"I can tell and show how to read time on a clock face to the $\frac{1}{2}$ hour."

Formative Assessments:
Paper clocks
Movable Hands
Drawing in Hands
Judy Clocks

Use money (dimes, nickels and pennies) to explain and demonstrate parts of a whole

"I can explain and demonstrate how a dime is equal to two nickels or ten pennies."
"I can explain and demonstrate how a nickel is equal to five pennies."

Formative Assessments:
Money Exchange Game
Dimes to Nickels
Pennies to Nickels
Pennies to Dimes

Use language and manipulatives to describe / create a whole with 2 equal parts ($\frac{1}{2}$) and 4 equal parts ($\frac{1}{4}$)