

Jane Powers
Lesson Plan
April 13, 2011

Lesson goal: Work with a small group to divide an apple into equal portions so that each member of the group has one equal portion.

Standard addressed: VA SOL 1.3 Identify the parts of a set that represent fractions for halves, thirds, and fourths and write the fraction.

Underlying big idea: The number of parts is determined by the number of members in the group.

Open Question: While size portions are equal and fair within each group, are they equal and fair among the members of all of the groups combined?

Materials: Apple Fractions by Jerry Pallotta
An apple for each group of two, three, or four students
Adult supervision and assistance such as parent volunteers

Option 1: Adult cuts apples so that each member in the group has an equal size piece.

Write the fraction for one slice per student in each group.

Compare and contrast sizes of portions among the groups.

Extension: Discuss the relationship between the denominator of the fraction and the size of the portions.

Option 2: Using an inkpad or tempera paint, make fruit fraction stamps.

Illustrate fractions (part and whole) for each group.

Write the fractions for each illustration.

Compare and contrast sizes of fruit prints.

Extension: Discuss the relationship between the denominator of the fraction and the size of the portions.