

Apple: Kinds to Products



LEVEL: Grades K-3

SUBJECTS: Language Arts, Science, Social Studies and Math

AZ ACADEMIC STANDARDS: W-F1, SC00-S4C1, SC00-S4C3, SC01-S4C1, SC01-S4C2, SC01-S4C3, SC02-S4C01, SC01-S4C2, SC03-S4C1, SC03-C2, SC03-S4C3, SC03-S4C4, 3SS-F1, 4SS-F2, 2M-F2, 1M-F1

MATERIALS

Need five to six different kinds of apples, six different apple products, plastic knives, paper plates, paper towels, map of the United States, white drawing paper, and graph transparency.

VOCABULARY

round, sweet, tart, juicy, crisp, mushy, delicious, skin, core, stem, pectin, Johnathan, Rome Beauty, McIntosh, Golden Delicious, Granny Smith, Red Delicious

RELATED LESSONS

Apple: Bare to Pick
Apple: Seed to Tree
A is for Apple
What to do with Malusdomestica, Cultivated Apples?

SUPPORTING INFORMATION

There are 10,000 different kinds of apples grown in the world. In the United States we grow 7,000 kinds with usually 10 to 18 kinds available, during apple season, in the grocery stores. The top five apple producing states are Washington, New York, Virginia, California, and Michigan. The apples most liked by the public are Johnathans, Rome Beauty, McIntosh, Golden

Delicious, Granny Smith, Red Delicious, Grimes Golden, Pippin, and Fuji. Most apples are eaten raw. They range in color from green and gold to pink and dark red. Apples are about 84% water with its greatest food value being the fruit sugars. The pectin in the skin of the apples aids in digestion and vegetable acids help promote a healthy system. That's why they say, "An apple a day keeps the doctor away!" Dried apples have the highest food value per pound because the water has been removed. Other apple products enjoyed by the public are apple sauce, apple cereal, apple jelly, apple chips, apple pie, apple Newton's, apple butter, caramel apples, apple juice and apple cider.

GETTING STARTED

Get several library books on apples. Display many kinds of apples and apple products. Have ready to pass out plastic knives, paper plates, paper towels, and white drawing paper.

PROCEDURES

1. Review the steps in process of apple seed to apple and illustrate.
2. Pass out different kinds of apples, paper plates, paper towels, plastic knives, and white drawing paper.
3. Have students touch, smell and draw their apple.
4. Next cut apple in $\frac{1}{2}$ and draw, and then into $\frac{1}{4}$ and draw.
5. Now taste and have students

BRIEF DESCRIPTION

By recognizing a few different kinds of apples in the grocery store students may be inclined to choose one for a healthy snack. They will also be able to identify many apple products available at the grocery store.

OBJECTIVES

Students will:

- Recall the seasons of the apple tree.
- Identify five different kinds of apples.
- Identify five different apple products.
- Identify $\frac{1}{2}$ and $\frac{1}{4}$ fractions.
- Locate on a map or globe the leading apple producing states in North America.

ESTIMATED TEACHING TIME
45 minutes

EDUCATORS' NOTES

PROCEDURES (cont'd)

- share their 1/4 of apple with the class.
6. Have students pick their favorite and least favorite apple.
 7. As a class, complete a graph showing most favorite and least favorite apples.
 8. Discuss apple products that students have brought in, put out on display, and then taste each one.
 9. Graph most favorite and least favorite apple product.
 10. Discuss how those products are made.
 11. Locate on the United States map the top apple producing states.

EVALUATION OPTIONS

1. Do a KWL Chart showing what the students know, want to learn, and learned.
2. Fold a paper in fourths, open up and illustrate in order, the 4 seasons of the apple tree.
3. Draw and label five different kinds and products of apples.
4. Name five different kinds of apples.
5. Label or color on the United States map the top apple producing states.
6. Do apple fractions worksheet.

EXTENSIONS AND VARIATIONS

- Field Trip: Visit a local grocery store. Find the apples and five different apple products.
- Cooking: Make applesauce, dried apples, apple leather, apple butter, or an apple pie.
- Snack: Enjoy a piece of homemade apple pie.

RESOURCES

Apple Picking Time, by Michele Benoit Slawson
The World Book Encyclopedia, Volume A
1990 Teacher Created Materials, Inc. #266 Thematic Unit-Apples

CURRICULUM DESIGN

Patsy Workman K-3 Teacher Childhelp U.S.A.
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This Arizona Grown Specialty Crop Lesson Plan was paid for by a grant from the Arizona Department of Agriculture's Office of Marketing and Outreach.

Name:

Date:

I Wonder...?

1 • Cut an apple in half around its middle. What pattern do you see? Draw a picture.

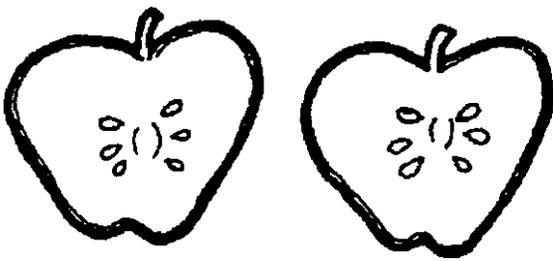
2. Get an apple. Guess how many seeds are in the apple. Write your guess in the box.

Now, cut your apple in half the longway. Count the seeds. Write the number in the box.

Did you make a good guess?

Apple Fractions

3. This apple has been cut into two equal pieces. Each piece is one half. Color one half.

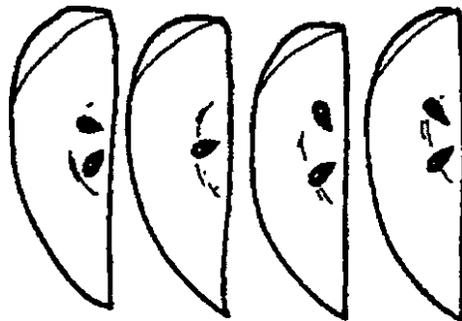


Here is another way to write one half. Trace the fractions.



1/2

4. This apple has been cut into four equal pieces. Each piece is one fourth. Color one fourth.



Here is another way to write one fourth. Trace the fractions.



U.S. MAP

90° Longitudinal

