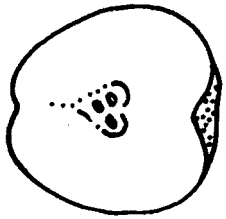
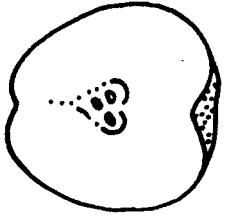
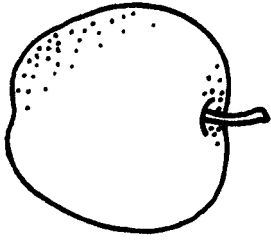


$\frac{1}{2}$

$\frac{1}{2}$

1 apple

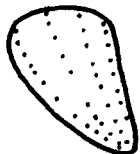
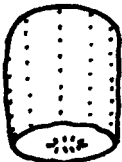
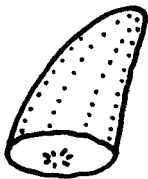
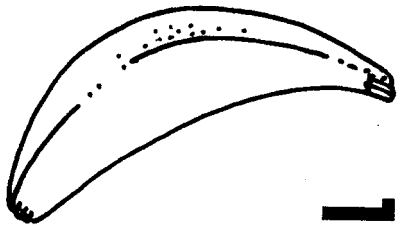


$$1 = \frac{1}{2} + \frac{1}{2}$$

$\frac{1}{3}$

$\frac{1}{3}$

1 banana



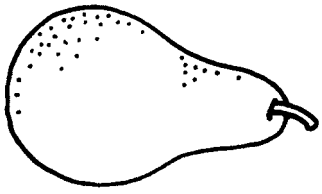
$$1 = \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$$

$$\frac{1}{4}$$

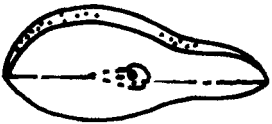
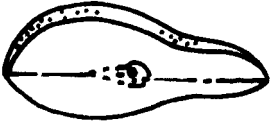
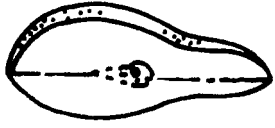
$$\frac{1}{4}$$

$$\frac{1}{4}$$

$$\frac{1}{4}$$



1 pear



$$1 = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

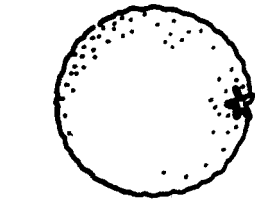
$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$



1 orange



$$1 = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$$



FRUITY Fractions

Here's just the recipe to introduce fractions... a simple fraction action plan for distinguishing parts from a whole in a visual, hands-on manner.

Fraction Action Fun

Get ready for fraction action and a hands-on learning experience utilizing fresh fruit to introduce the idea of fractional parts of a whole. Learning will be enhanced and a better understanding of the concepts will occur if the children themselves, with adult supervision, work in small groups to slice up the fruit. Plan some added excitement by having the kids create chef hats that they can wear during the activity. Recipe cards to reinforce the concepts introduced in this beginning fraction unit will complete the fraction action fun.

It's All In How You Slice It!

Prepare ahead by assigning each child a specific fruit which they can bring to school on "frac-

tion day." Begin by dividing the children into small groups. Then, using one kind of fruit at a time, introduce the notion of fractional parts...apples to demonstrate halves, bananas to show thirds, pears or kiwis to illustrate fourths, and oranges to explain eighths. Older students may be able to use serrated plastic knives, but if your children are too young to handle cutting, slice the fruit ahead of time using a sharp knife. Then have students complete the cut with the plastic knives following your marks. Remind chefs that slices are approximations and children will have to follow your instructions to make a fair approximation before cutting the fruit. For example, give each group an apple and demonstrate how to cut it in half. Explain that although you have one apple, it can be divided into two halves. You could even continue to divide it to make smaller fractional parts which, when put together, would still equal one whole apple. Talk about why fractions are helpful in sharing food, preparing recipes, measuring, etc. Follow a similar procedure with the other fruit and have children put each back together to make the fruit whole again. Encourage correct terminology.

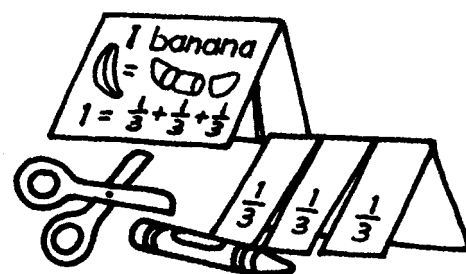
Fruity Fraction Topper

Kids will love wearing chef hats during the fraction fruit lessons. You can even teach fractions while making the hats by having children color each half of the hat a different color or color the band or polka dots in fractional parts. Duplicate a hat pattern on heavy paper for each child. You will also need construction paper, ruler, stapler, scissors, and crayons. Follow these instructions:

1. Color and cut out the chef hat.
2. Measure and cut two 1" x 12" strips of construction paper for a band.
3. Overlap the ends of the strips. Staple to make one long strip.
4. Place the hat over the center of the band and staple in place.
5. Ask a friend to wrap the band around your head. Adjust and staple band to fit.

Recipe Cards

Duplicate the recipe card patterns to reinforce the hands-on lesson in fractions. Explain that everyone will have a recipe card to show halves, thirds, fourths, and eighths. Begin with the apple card. Instruct students to cut it out and fold it in half. Have kids color the apple on the picture side of the card. Then enlist the help of the class to explain that two halves make one whole. Use the apple card as an example. Support this concept by having kids flip the card over and use a scissors to cut on the dotted line to create two halves. Cut only on the dotted line on the fraction side of the card. Leave the fruit part of the card intact. Kids can flip the halves up and down to demonstrate the meaning of half and whole. Repeat the process to create cards for thirds, fourths, and eighths.



Fruit Treat

Is it possible to serve your students equal amounts of fruit if you have 25 students and only 8 pieces of fruit? Of course! Cut up all the fruit and combine it in a large bowl to make a fruit salad. Your fractional manipulatives will quickly turn into a yummy snack. Spoon the fruit salad into cups and serve cold for all to enjoy. All in all, you have a nutritional snack as well as a memorable math lesson in fractions.

Book Resources

Enjoy these fun books about fractions and use them as readalouds for introducing or reinforcing your fraction unit.

Eating Fractions

by Bruce McMillan
(Scholastic)

Fraction Action

by Loreen Leedy
(Holiday House)

Chef Hat Pattern

1. Color and cut out hat.
2. Cut two 1" x 12" strips of paper for a head band.
Staple the strips together to make one long strip.
3. Staple hat to band.
4. Wrap band around head. Adjust and staple strip to fit.

