



# **MATH: 3-5**

**Meets North Carolina Standard Course of Study**

Math Activities - Symmetry

Math Activities - Apple Fractions

Apple Math Tasks

Apple Graph Sheet





## MATH ACTIVITIES

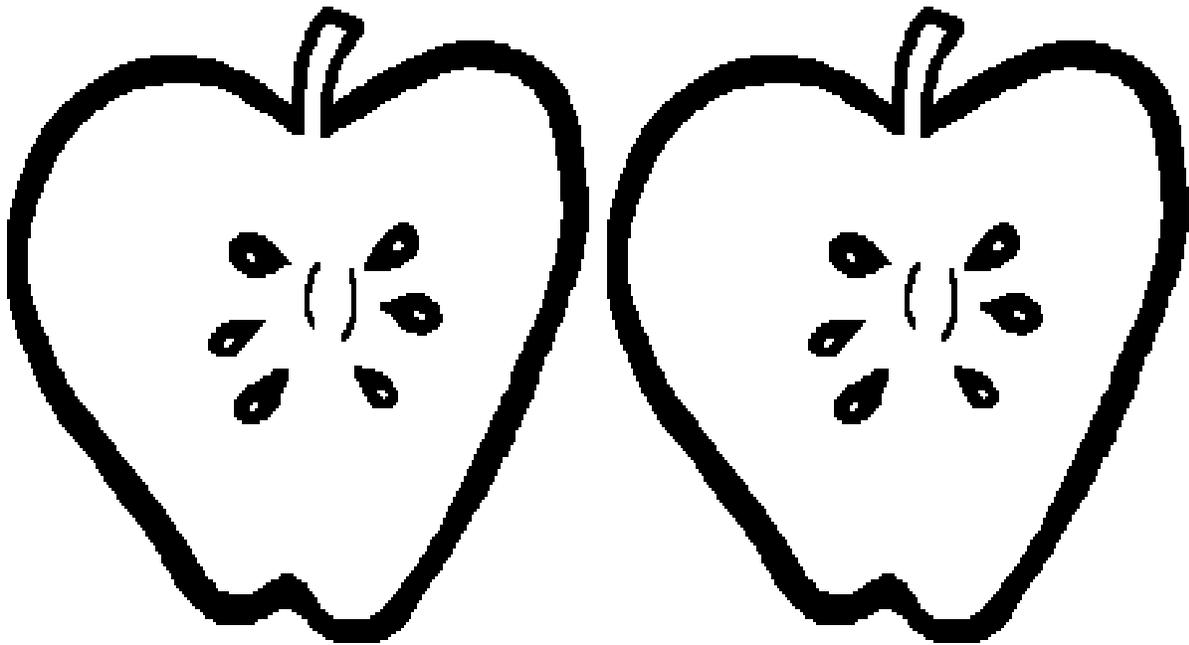
### SYMMETRY

Give each student a piece of drawing paper, an apple and a knife.

Direct students to cut an apple in half and compare the halves.

Are the halves symmetrical?

Ask children to draw the inside halves of their apples. Direct students to look for the “star” pattern.





## MATH ACTIVITIES

### APPLE FRACTIONS

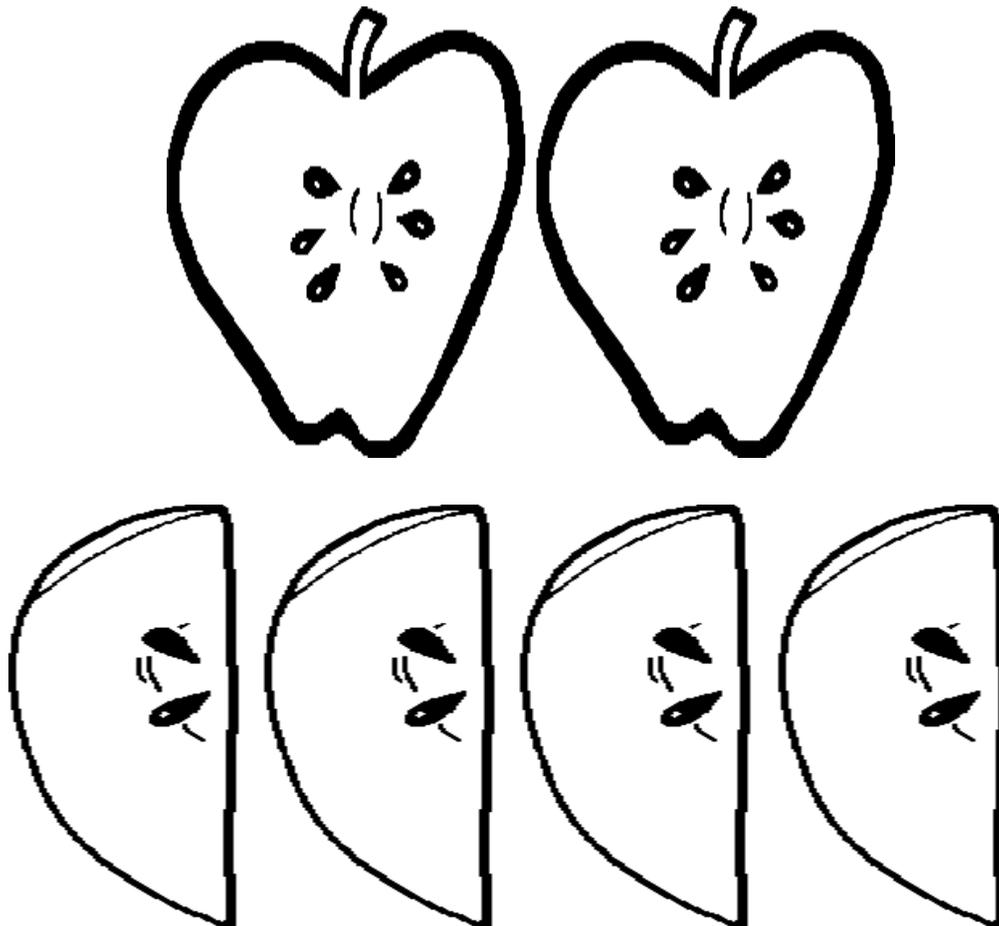
Students should work in pairs. Give each pair a piece of drawing paper, an apple and a knife. *Close supervision should be used with this activity.*

Ask students to think of how many different ways they can slice or cut up an apple so that all pieces are of equal size and shape.

Students first draw several different ways and then choose one way and actually cut their apples.

Talk with the class about the variety of ways that apples can be divided into equal parts. On the chalkboard list the fractions that show the different ways that children divided their apples.

Students can also write apple problems using the fractions that were listed on the board after the activity.





## APPLE MATH TASKS

1

David's orchard has 55 rows with 48 trees in each row. Jeff's orchard has 63 rows with 42 trees in each row. Estimate which orchard has more trees. Now figure the actual difference.

2

Don wants to buy 1 bushel of apples. They cost \$9.00 per bushel, \$5.00 per  $\frac{1}{2}$  bushel and \$2.50 per peck. How many different ways could Don buy 1 bushel of apples? What would be the cost of each?

3

Apple cider is often sold in 30 or 50 gallon drums to large stores where customers pour their own. How many quarts are there in a full 30 gallon drum; 50 gallon drum? How many pints in a 30 gallon drum; 50 gallon drum? How many cups in a 30 gallon drum; 50 gallon drum?

4

Each apple bin holds 18 bushels of apples. Each picking bag holds  $\frac{1}{2}$  bushel. How many times must an apple picker empty his full picking bag?

5

The world's biggest apple pie weighed 30,116 pounds and took 600 bushels of apples to make. If it was cut in 8 ounce pieces, how many people would it take to eat the world's biggest pie?

*source: Guinness Book of World Records*



