

Today's Lesson: Identifying halves and fourths of circles and rectangles.

CCSS

Geometry, Grade 1 (Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of.) 1.G.3

Focus Lesson 1 (I do)

"We have learned that shapes can be broken into 2 equal parts called halves. Today we are going to learn how objects can also be broken into 4 equal parts called fourths or quarters ."

Begin the lesson by giving students the following scenario. *"I have 4 people in my family. When I made pizza last night, everyone wanted something different. One person wanted pepperoni, one wanted cheese, one wanted sausage, and one wanted taco. I wanted everyone to have what they wanted, but it needed to be equal."*

The teacher will draw a circle on the board. The teacher will think aloud and say, *"First I will draw a line down the middle. That gives me two equal parts. If I draw another line horizontally, now I have 4 equal parts. "*

Still thinking aloud, the teacher will say, *"If I have 4 equal parts, this is called fourths or quarters."* The teacher will then draw in each 'fourth' or write in each 'fourth' the kind of pizza each person in her family wanted. *"If we divide this pizza into four equal parts, one person can have sausage, one can have cheese, one can have pepperoni, and one can have taco."* The teacher will think aloud and write on the white board (or chart paper), *"As you know, this is how we write the fraction for $\frac{1}{2}$ (write on board), and this is how we write the fraction for $\frac{1}{4}$."*

The teacher will then point to each fraction and have the children repeat the fraction aloud.

Teach students the new vocabulary:

*fourths

*quarters

Round of Daily 3 Math

Focus Lesson 2 (We do)

Using the white board or chart paper, the teacher draws a chart which says $\frac{1}{2}$ on one side, and $\frac{1}{4}$ on the other side. The teacher will then hand out a sticky note to each student.

The teacher will say, *"We are going to imagine that this sticky note is a sandwich. We are going to pretend that we want to share our sandwich with a friend or friends. If you want to share with one friend, you would divide it into half because there are two of you. (The teacher will then demonstrate this with a sticky note.) If you would like to share with 3 other friends, you will divide it into fourths because you plus three friends equals four pieces. (The teacher will then demonstrate this with a different sticky note.)"*



I would like you to take your sticky note, and fold your 'sandwich' into halves or fourths. Each of you are then going to come up to the chart, and stick your 'sandwich' on the correct side." The teacher will then proceed to call students up to place their sticky on the correct side of the chart.

Round of Daily 3 Math

Focus Lesson 3 (You do)

Give each child a paper that is either has a circle on it or is blank (that they have to draw a circle on). Explain to the students that they are going to pretend they are doing the following activity:

"You are going to pretend that you are ordering a pizza for you and a friend or friends. You will have to decide if you are ordering a pizza that will be shared with one friend, or three friends. Each of you needs to divide your 'pizza' into halves or fourths."

After students are finished drawing their lines, then say, *"Now you will draw on your pizza what toppings go on each equal part."* The teacher will demonstrate this on the board.

After each child adds their 'toppings', the teacher will give the following sentence starters and say, *"Now at the bottom of your paper, I want you to copy the following sentence starter. "*

***My pizza is divided into _____.** (Write on the board the two words they would choose from to finish their sentence. **Halves** or **fourths**).

Children can then pair up with another student and explain what each half or fourth of their pizza consists of, using the math vocabulary 'halves and fourths'.

Student Sharing

