Name: _____ Date: _____

Sharing a Sandwich in Fourths

Circle group

Four friends sit down to eat. They have one big sandwich. How can they share it fairly?

They cut it into four equal pieces. Equal means the same size. Each piece is a fourth. A fourth is also a quarter. Four fourths make one whole sandwich.

First, cut the sandwich in half. Now there are two halves. Then cut each half in half. Now there are four pieces.

If one piece is bigger, it is not fair. The pieces must be the same size.

Each friend takes one fourth. No one is left out.

Questions

1. How many friends share the sandwich?

_____

_____

2. What does equal mean?

_____

_____

3. What is another name for a fourth?

_____

_____

4. How do you cut fourths?

_____

_____

5. Why is a sandwich with one big piece not in fourths?

_____

_____

Words to know

equal: the same in size or amount
fourth: one of four equal parts
whole: all of a thing, with nothing missing

fair: the same for everyone

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Sharing a Sandwich in Fourths

Triangle group

Four friends sit down for lunch. They have one big sandwich to share. How can they make it fair?

They cut the sandwich into four equal pieces. Equal means each piece is the same size. Each piece is called a fourth, or a quarter. Four fourths make one whole sandwich.

First, cut the sandwich in half from top to bottom. Now there are two halves. Then cut each half in half again. Now there are four pieces.

If one piece is bigger, the friends are not sharing fairly. The pieces must be the same size to be fourths.

Each friend takes one fourth. A whole sandwich is gone, and no one feels left out.

Questions

1. How many friends share the sandwich?

_____

_____

2. What does equal mean?

_____

_____

3. What is another name for a fourth?

_____

_____

4. How do you cut a sandwich into fourths?

_____

_____

5. Why is a sandwich with one big piece not cut into fourths?

_____

_____

Words to know

equal: the same in size or amount
fourth: one of four equal parts
whole: all of a thing, with nothing missing
fair: the same for everyone

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Sharing a Sandwich in Fourths

Square group

Four friends sit down together for lunch, and they have a single large sandwich to share among them. How can they divide it so that everyone is treated fairly?

They cut the sandwich into four equal pieces. Equal means that every piece is exactly the same size. Each piece is called a fourth, or sometimes a quarter, and four fourths make up one whole sandwich.

To begin, slice the sandwich in half from top to bottom, so that there are two halves. Then slice each half in half once more, and you will have four pieces.

If one piece is bigger than the others, the friends are not sharing fairly, because the pieces must all be the same size to count as fourths.

Each friend takes one fourth, the whole sandwich disappears, and nobody feels left out.

Questions

1. How many friends share the sandwich?

_____

_____

2. What does the word equal mean?

_____

_____

3. What is another name for a fourth?

_____

_____

4. How do you slice a sandwich into fourths?

_____

_____

5. Why is a sandwich with one big piece not cut into fourths?

_____

_____

Words to know

equal: the same in size or amount
fourth: one of four equal parts
whole: all of a thing, with nothing missing
fair: the same for everyone

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: Sharing a Sandwich in Fourths

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: Sharing a Sandwich in Fourths

Easier · 94 words · Flesch-Kincaid grade 0.6

1. Four friends.
2. The same size.
3. A quarter.
4. Cut it in half, then cut each half in half.
5. The pieces are not the same size.

Triangle: Sharing a Sandwich in Fourths

This passage · 114 words · Flesch-Kincaid grade 1.5

1. Four friends.
2. Each piece is the same size.
3. A quarter.
4. Cut it in half, then cut each half in half again.
5. The pieces are not all the same size.

Square: Sharing a Sandwich in Fourths

Harder · 137 words · Flesch-Kincaid grade 5.9

1. Four friends.
2. Every piece is exactly the same size.
3. A quarter.
4. Slice it in half, then slice each half in half once more.
5. Its pieces are not all the same size.