Name: _____ Date: _____

Fractions in the Kitchen

Circle group

A fraction is a part of a whole. You use fractions in the kitchen all the time.

A pizza is cut into eight equal slices. You eat one slice. That is one eighth of the pizza. You eat two slices. That is two eighths. You eat all eight slices. That is eight eighths. You ate the whole pizza.

Measuring cups use fractions. A recipe may say one half cup of milk. You fill the cup halfway. Two halves make one whole cup. A recipe may say one fourth cup of sugar. Four fourths fill a whole cup.

Fractions help you share fairly. Cut a sandwich into two equal pieces. Each friend gets one half. The pieces must be equal. If not, it is not fair.

Questions

1. What is a fraction?

_____

_____

2. A pizza has eight equal slices. What fraction is one slice?

_____

_____

3. What does one half cup of milk mean?

_____

_____

4. How many fourths fill a whole cup?

_____

_____

5. Why must the sandwich pieces be equal?

_____

_____

6. A pizza has eight equal slices and you eat three. What fraction is left?

_____

_____

Words to know

fractions: numbers that name parts of a whole
whole: all of something, with no parts missing
equal: the same in size or amount
half: one of two equal parts
measuring: finding out how much of something there is

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: _____

Fractions in the Kitchen

Triangle group

Fractions are parts of a whole. In the kitchen, you use them all the time.

Say a pizza is cut into eight equal slices. If you eat one slice, you have eaten one eighth of the pizza. If you eat two slices, you have eaten two eighths. If you eat all eight slices, you have eaten eight eighths, which is the whole pizza.

Measuring cups use fractions too. A recipe might ask for one half cup of milk. That means you fill the cup only halfway. Two halves make one whole cup. A recipe might also ask for one fourth cup of sugar. It takes four fourths to fill a whole cup.

Fractions can help you share fairly. To share a sandwich with a friend, cut it into two equal pieces. Each of you gets one half. The pieces must be equal, or the sharing would not be fair.

Questions

1. What is a fraction?

_____

_____

2. A pizza is cut into eight equal slices. What fraction of the pizza is one slice?

_____

_____

3. What does one half cup of milk mean?

_____

_____

4. How many fourths does it take to fill a whole cup?

_____

_____

5. Why must the pieces of a sandwich be equal when you share?

_____

_____

6. A pizza has eight equal slices and you eat three. What fraction is left?

_____

_____

Words to know

fractions: numbers that name parts of a whole
whole: all of something, with no parts missing
equal: the same in size or amount
half: one of two equal parts
measuring: finding out how much of something there is

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: _____

Fractions in the Kitchen

Square group

Fractions describe parts of a whole, and anyone who cooks uses them constantly.

Imagine a pizza that has been cut into eight equal slices. Eating a single slice means you have eaten one eighth of the pizza, and eating two slices means you have eaten two eighths. If you finish all eight slices, you have eaten eight eighths, which is exactly the whole pizza.

Measuring cups rely on fractions as well. A recipe might call for one half cup of milk, which means filling the cup only halfway, since two halves make one whole cup. It might also require one fourth cup of sugar, and it takes four fourths to fill a whole cup.

Fractions can even help people share fairly. To split a sandwich with a friend, cut it into two equal pieces so that each of you receives one half. The pieces have to be equal, or the sharing would not be fair.

Questions

1. What do fractions describe?

_____

_____

2. If a pizza is cut into eight equal slices, what fraction is a single slice?

_____

_____

3. What does it mean when a recipe calls for one half cup of milk?

_____

_____

4. How many fourths does it take to fill a whole cup?

_____

_____

5. Why do the pieces of a shared sandwich have to be equal?

_____

_____

6. If you eat three slices of an eight-slice pizza, what fraction remains?

_____

_____

Words to know

fractions: numbers that name parts of a whole
whole: all of something, with no parts missing
equal: the same in size or amount
half: one of two equal parts
measuring: finding out how much of something there is

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: Fractions in the Kitchen

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

Circle: Fractions in the Kitchen

Easier · 125 words · Flesch-Kincaid grade 1.7

1. A part of a whole.
2. One eighth.
3. You fill the cup halfway.
4. Four.
5. If they are not equal, it is not fair.
6. Five eighths.

Triangle: Fractions in the Kitchen

This passage · 149 words · Flesch-Kincaid grade 2.9

1. A part of a whole.
2. One eighth.
3. You fill the cup only halfway.
4. Four.
5. If they are not equal, the sharing is not fair.
6. Five eighths.

Square: Fractions in the Kitchen

Harder · 155 words · Flesch-Kincaid grade 6.5

1. Parts of a whole.
2. One eighth.
3. You fill the cup only halfway.
4. Four.
5. If they were not equal, the sharing would not be fair.
6. Five eighths.