Introduction to Fractions

A fraction is a way of showing part of a whole. For example, if you have a pizza that is cut into 8 slices and you eat 2 slices, you have eaten 2/8 of the pizza.

Activity: Draw a picture of a pizza that is cut into 8 slices. Shade in 2 slices to show 2/8 of the pizza.

Understanding Fractions

A fraction has two parts: the numerator (top number) and the denominator (bottom number). For example, in the fraction 3/4, the numerator is 3 and the denominator is 4.

Activity: Match the following fractions with their equivalent decimals:

1. 1/2 = _____
2. 1/4 = _____
3. 3/4 = _____

Real-Life Examples of Fractions

Fractions are used in cooking, measurement, and finance. For example, a recipe for making cookies calls for 3/4 cup of sugar. If you want to make half the recipe, how much sugar will you need?

Activity: Solve the problem and write your answer as a fraction.

Creating Fractions

You can create fractions using real-life objects, such as blocks or toys. For example, if you have 12 blocks and you want to divide them into groups of 4, how many groups can you make?

Activity: Create a fraction using blocks or toys and write it as a fraction.

Equivalent Fractions

Equivalent fractions are fractions that have the same value, but with different numerators and denominators. For example, 1/2 and 2/4 are equivalent fractions.

Activity: Find two equivalent fractions for each of the following fractions:

1. 1/2
2. 1/4
3. 3/4

Adding and Subtracting Fractions

To add or subtract fractions, you need to have the same denominator. For example, 1/4 + 1/4 = 2/4

Activity: Add or subtract the following fractions:

1. 1/4 + 1/4
2. 1/2 - 1/4
3. 3/4 + 1/4

Word Problems

Word problems involve using fractions to solve real-life problems. For example, if you have 1/2 cup of juice and you drink 1/4 cup, how much juice do you have left?

Activity: Solve the following word problems:

1. If you have 3/4 cup of flour and you use 1/4 cup, how much flour do you have left?
2. If you have 1/2 cup of sugar and you add 1/4 cup, how much sugar do you have now?

Fraction Bingo

Play a game of bingo using fractions.

> Activity: Create a bingo card with fractions and play a game with a friend or family member.

Fraction Scavenger Hunt

Go on a scavenger hunt to find objects that can be represented as fractions.

> Activity: Find objects in your home or classroom that can be represented as fractions and write them down.

Conclusion

Congratulations! You have completed the introduction to fractions with real-life examples.

Activity: Reflect on what you have learned and think of ways you can apply fractions to your everyday life.