Creating and Comparing Simple Fractions with Everyday Objects

Introduction to Fractions

Fractions are all around us, from the pizza we eat to the toys we play with. Understanding fractions will help you solve problems and make sense of the world in a more precise way.

Fractions consist of a numerator (the top number) and a denominator (the bottom number), separated by a line. The numerator tells us how many equal parts we have, and the denominator tells us how many parts the whole is divided into.

Activity 1: Matching Fractions

Match the following fractions with their corresponding pictures:

- 1/2
- 1/4
- 3/4

Pictures:

- A pizza cut into 2 equal parts
- A cake cut into 4 equal parts
- A toy box divided into 4 parts with 3 parts filled

Creating Fractions

Fractions can be created using everyday objects. For example, if you have a cake cut into 12 pieces and you eat 3 of them, you can represent the part you've eaten as 3/12.

Draw a picture of a pizza cut into 8 slices. Shade 2 of the slices to represent 2/8. Write the fraction 2/8 below your picture.

Activity 2: Create Your Own Fraction

Create a fraction using an everyday object, such as a toy or a book. Draw a picture and write the fraction below it.

Comparing Fractions

To compare fractions, we need to consider both the numerator and the denominator. For example, to compare 1/4 and 1/2, we need to convert both fractions to equivalent fractions with the same denominator.

Compare the following fractions:

- 1/4 and 1/2
- 2/4 and 3/4
- 1/2 and 2/4

Activity 3: Comparing Fractions

Use the following symbols to compare the fractions: <, >, or =

Real-World Applications

Fractions are used in real-world scenarios, such as measuring ingredients for a recipe or dividing a room into parts for decoration.

A recipe calls for 3/4 cup of flour. If you only have a 1/4 cup measuring cup, how many times will you need to fill the measuring cup to get 3/4 cup of flour?

Activity 4: Real-World Application

Solve the problem and write your answer below.

Word Problems

Word problems involve using fractions to solve real-world scenarios.

Tom has a pizza that is cut into 8 slices. He eats 2 slices. What fraction of the pizza did Tom eat?

Activity 5: Word Problem

Solve the problem and write your answer below.

Fraction Patterns

Fractions can be used to create patterns.

Create a pattern using the following fractions: 1/2, 1/4, 1/8

Activity 6: Fraction Pattern

Continue the pattern and write your answer below.

Equivalent Fractions

Equivalent fractions are fractions that have the same value but different forms.

Find the equivalent fractions for the following:

- 1/2
- 1/4
- 3/4

Activity 7: Equivalent Fractions

Write the equivalent fractions below.

Adding and Subtracting Fractions

Fractions can be added and subtracted.

Add and subtract the following fractions:

- 1/4 + 1/4
- 2/4 - 1/4

Activity 8: Adding and Subtracting Fractions

Solve the problems and write your answers below.

Review

Review what you have learned about fractions.

Match the following fractions with their corresponding definitions:

- 1/2
- 1/4
- 3/4

> Definitions:
>
> - A fraction that shows half of a whole
> - A fraction that shows one quarter of a whole
> - A fraction that shows three quarters of a whole

Activity 9: Review

Match the fractions with their definitions and write your answers below.

Conclusion

Congratulations! You have completed the activity sheet on creating and comparing simple fractions with everyday objects.

Remember that fractions are all around us, and understanding them will help you solve problems and make sense of the world in a more precise way.

Reflection:

1. What did you learn about fractions in this activity sheet?
2. How will you apply what you learned to real-world scenarios?
3. What questions do you still have about fractions?