

Introduction (5 minutes)

Welcome to the Fraction Fun worksheet! This diagnostic assessment is designed to evaluate your understanding of basic fractions. You will have 20 minutes to complete this worksheet. Make sure to read each question carefully and ask for help if you need it.

Section 1: Multiple Choice Questions (5 minutes)

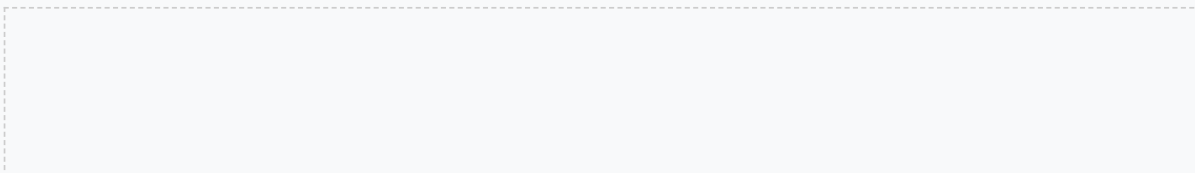
Choose the correct answer for each question.

1. What is the name of the top number in a fraction?
 - a. Denominator
 - b. Numerator
 - c. Fraction
 - d. Whole
2. If you have $\frac{1}{4}$ of a pizza, what does the 4 represent?
 - a. The number of slices you have
 - b. The number of slices the pizza is divided into
 - c. The number of people sharing the pizza
 - d. The number of toppings on the pizza
3. Which of the following is an example of a fraction?
 - a. 1
 - b. $\frac{1}{2}$
 - c. 2
 - d. $\frac{3}{3}$

Section 2: Short Answer Questions (5 minutes)

Show your work and explain your answers.

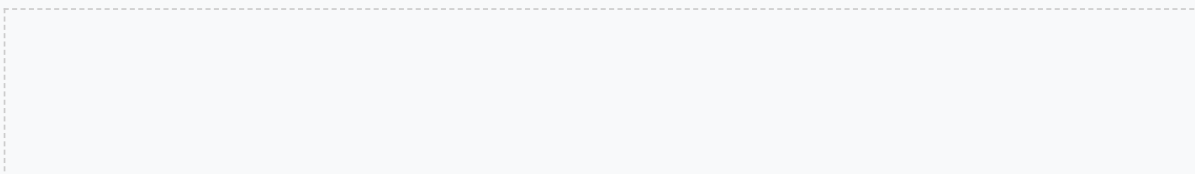
1. Draw a picture to represent the fraction $\frac{1}{2}$. Label the numerator and denominator.



2. Write the fraction that represents the shaded part of the figure:

[Insert figure with $\frac{3}{4}$ shaded]

3. What is the difference between the numerator and the denominator in a fraction?



Section 3: Visual Identification (5 minutes)

Identify which of the following figures represents the fraction $\frac{1}{2}$:

[Insert four figures with different fractions, one of which is $\frac{1}{2}$]

Section 4: Word Problems (5 minutes)

Solve each problem and write your answer as a fraction.

1. If you have $\frac{2}{3}$ of a bag of candy and you eat $\frac{1}{3}$ of it, what fraction of the bag is left?

2. A bookshelf has 5 shelves, and $\frac{2}{5}$ of them are filled with books. What fraction of the bookshelf is empty?

Section 5: Create Your Own (5 minutes)

Create your own visual representation of a fraction. Write the fraction and explain what it represents.

[Insert space for drawing and writing]

Conclusion (5 minutes)

Congratulations! You have completed the Fraction Fun worksheet. Remember to ask your teacher for feedback and guidance. Keep practicing, and soon you'll become a fraction master!

Answer Key

Note: The answer key is provided for teacher reference only.

1. b) Numerator
2. b) The number of slices the pizza is divided into
3. b) $\frac{1}{2}$

Section 2:

1. [Example answer: a picture of a whole divided into two equal parts, with one part shaded]
2. $\frac{3}{4}$
3. [Example answer: The numerator tells us how many equal parts we have, and the denominator tells us how many parts the whole is divided into.]

Section 3:

1. [Correct figure: $\frac{1}{2}$]

Section 4:

1. $\frac{1}{3}$
2. $\frac{3}{5}$

