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Fraction Story Problems Worksheet Answer Key PDF

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Part 1: Building a Foundation

What is the numerator in the fraction 3/4?

undefined. 3 ✓

undefined. 4

undefined. 7

undefined. 1

The numerator is the number above the fraction line, which represents how many parts are being considered.

Which of the following are types of fractions? (Select all that apply)

undefined. Proper fractions ✓

undefined. Improper fractions ✓

undefined. Whole fractions

undefined. Mixed numbers ✓

Proper fractions, improper fractions, and mixed numbers are all types of fractions.

Explain the difference between a proper fraction and an improper fraction.

A proper fraction has a numerator that is less than the denominator, while an improper fraction has a numerator that is greater than or equal to the denominator.

List the components of a fraction and provide a brief description of each.

1. Numerator
The top number that indicates how many parts are being considered.

2. Denominator

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The bottom number that indicates the total number of equal parts.

A fraction consists of a numerator and a denominator, where the numerator indicates the number of parts and the denominator indicates the total number of equal parts.

Part 2: comprehension and Application

When adding fractions with unlike denominators, what is the first step?

undefined. Add the numerators

undefined. Find a common denominator ✓

undefined. Subtract the denominators

undefined. Multiply the fractions

The first step is to find a common denominator to make the addition possible.

Which of the following statements are true about converting improper fractions to mixed numbers? (Select all that apply)

undefined. Divide the numerator by the denominator. ✓

undefined. Multiply the numerator by the denominator.

undefined. The remainder becomes the new numerator. ✓

undefined. The whole number is the quotient. ✓

To convert an improper fraction to a mixed number, you divide the numerator by the denominator, and the quotient becomes the whole number.

A recipe calls for 2/5 cup of oil, but you only have a 1/4 cup measuring cup. How many times will you need to fill the 1/4 cup to get the correct amount of oil?

You will need to fill the 1/4 cup approximately 2.5 times to get 2/5 cup of oil.

If you have 2/3 of a pizza and you eat 1/4 of it, how much pizza do you have left?

undefined. 1/12

undefined. 5/12 ✓

undefined. 1/3

undefined. 1/2

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You will have 5/12 of the pizza left after eating 1/4 of 2/3.

Part 3: Analysis, Evaluation, and Creation

Which of the following fractions is equivalent to 4/8?

undefined. 1/2 ✓

undefined. 2/3

undefined. 3/4

undefined. 5/8

The fraction 4/8 simplifies to 1/2, which is its equivalent.

Analyze the following fractions and select those that are equivalent to 3/6. (Select all that apply)

undefined. 1/2 ✓

undefined. 2/4 ✓

undefined. 3/9

undefined. 4/8

The fractions equivalent to 3/6 are 1/2 and 2/4.

Break down the process of adding 1/3 and 1/4. Explain each step and why it is necessary.

To add 1/3 and 1/4, find a common denominator, convert each fraction, and then add the numerators.

Which strategy is most effective for solving fraction story problems?

undefined. Guess and check

undefined. Drawing a picture

undefined. Writing an equation ✓

undefined. Using a calculator

Writing an equation is often the most effective strategy for solving fraction story problems.

Create a real-world story problem involving fractions and provide a solution to your problem.

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