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Fraction Comparison Worksheet Answer Key PDF

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Part 1: Building a Foundation

What is the numerator in the fraction 3/4?

undefined. A) 3 ✓

undefined. B) 4

undefined. C) 7

undefined. D) 1

The numerator is the number above the fraction line.

Which of the following are components of a fraction?

undefined. A) Numerator ✓

undefined. B) Denominator ✓

undefined. C) Quotient

undefined. D) Dividend

A fraction consists of a numerator and a denominator.

Explain the process of simplifying the fraction 8/12.

To simplify, divide both the numerator and denominator by their greatest common divisor.

Provide two equivalent fractions for 1/2.

1. First equivalent fraction
2/4

2. Second equivalent fraction
3/6

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Equivalent fractions can be found by multiplying both parts of the fraction by the same number.

Part 2: Comprehension and Application

Which fraction is larger: 2/3 or 3/4?

undefined. A) 2/3

undefined. B) 3/4 ✓

undefined. C) They are equal

undefined. D) Cannot be determined

To determine which fraction is larger, you can find a common denominator or convert them to decimals.

To compare 1/4 and 3/8, which common denominator could you use?

undefined. A) 4

undefined. B) 8 ✓

undefined. C) 12

undefined. D) 16

A common denominator is a multiple of both denominators.

Describe how you would place the fractions 1/3 and 2/5 on a number line.

To place fractions on a number line, identify their decimal equivalents or find a common denominator.

If a recipe calls for 3/4 cup of sugar and you only have a 1/2 cup measuring cup, how many times do you need to fill it?

undefined. A) 1

undefined. B) 1.5 ✓

undefined. C) 2

undefined. D) 2.5

You need to fill the 1/2 cup measuring cup 1.5 times to get 3/4 cup of sugar.

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You have a rope that is 12/16 meters long. Which of the following is the simplified length of the rope?

undefined. A) 3/4 meters ✓

undefined. B) 6/8 meters

undefined. C) 1/2 meters

undefined. D) 2/3 meters

The simplified length of the rope is 3/4 meters.

Part 3: Analysis, Evaluation, and Creation

Which of the following fractions is not equivalent to 4/6?

undefined. A) 2/3 ✓

undefined. B) 8/12

undefined. C) 6/9

undefined. D) 3/5

The fraction that is not equivalent to 4/6 is 3/5.

Using cross-multiplication, determine which fraction is larger: 5/7 or 6/8.

undefined. A) 5/7 ✓

undefined. B) 6/8

undefined. C) They are equal

undefined. D) Cannot be determined

Cross-multiplication shows that 5/7 is larger than 6/8.

Analyze the fractions 7/9 and 8/10 by converting them to a common denominator and determine which is larger.

After converting to a common denominator, you can compare the two fractions to see which is larger.

Which strategy is most efficient for comparing the fractions 5/6 and 7/8?

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undefined. A) Finding a common denominator

undefined. B) Cross-multiplication ✓

undefined. C) Converting to decimals

undefined. D) Using a number line

Cross-multiplication is often the most efficient method for comparing fractions.

Create a fraction that is equivalent to 3/5 and has a denominator of 20.

undefined. A) 12/20 ✓

undefined. B) 15/20 ✓

undefined. C) 9/20

undefined. D) 10/20

The equivalent fraction is 12/20 or 15/20.

Evaluate the following scenario: You have two pieces of fabric, one measuring 5/8 meters and the other 3/4 meters. Which piece is longer, and by how much?

To evaluate, convert both fractions to a common denominator or decimal to compare their lengths.

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