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Compare Fractions 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 in the fraction 3/4 is 3.

What is the numerator in the fraction 3/4?

undefined. A) 3 ✓

undefined. B) 4

undefined. C) 7

undefined. D) 1

The numerator in the fraction 3/4 is 3.

Which of the following are components of a fraction? (Select all that apply)

undefined. A) Numerator ✓

undefined. B) Denominator ✓

undefined. C) Quotient

undefined. D) Dividend

The components of a fraction include the numerator and denominator.

Which of the following are components of a fraction? (Select all that apply)

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undefined. A) Numerator ✓

undefined. B) Denominator ✓

undefined. C) Quotient

undefined. D) Dividend

The components of a fraction are the numerator and denominator.

Explain what it means for two fractions to be equivalent.

Two fractions are equivalent if they represent the same part of a whole.

Explain what it means for two fractions to be equivalent.

Two fractions are equivalent if they represent the same part of a whole, even if they have different numerators and denominators.

List the symbols used to compare fractions and their meanings.

1. What does < mean?

Less than

2. What does > mean?

Greater than

3. What does = mean?

Equal to

The symbols used to compare fractions include < (less than), > (greater than), and = (equal to).

Part 2: comprehension and Interpretation

When comparing fractions with the same denominator, what should you compare? (Select all that apply)

undefined. A) Numerators ✓

undefined. B) Denominators

undefined. C) Whole numbers

undefined. D) Decimal values

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When comparing fractions with the same denominator, you should compare the numerators.

When comparing fractions with the same denominator, what should you compare? (Select all that apply)

undefined. A) Numerators ✓

undefined. B) Denominators

undefined. C) Whole numbers

undefined. D) Decimal values

When comparing fractions with the same denominator, you should compare the numerators.

Describe how you would use a number line to compare the fractions 1/3 and 2/5.

To compare 1/3 and 2/5 on a number line, you would plot both fractions and see which is further to the right.

Describe how you would use a number line to compare the fractions 1/3 and 2/5.

You would plot both fractions on the number line to see which is further to the right.

Part 3: Application and Analysis

Which method would you use to compare the fractions 3/7 and 2/5?

undefined. A) Common Denominator Method

undefined. B) Cross-Multiplication Method ✓

undefined. C) Decimal Conversion

undefined. D) Visual Representation

You can use the Cross-Multiplication Method to compare 3/7 and 2/5.

Which method would you use to compare the fractions 3/7 and 2/5?

undefined. A) Common Denominator Method

undefined. B) Cross-Multiplication Method ✓

undefined. C) Decimal Conversion

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undefined. D) Visual Representation

You can use the Cross-Multiplication Method to compare these fractions.

You have two pieces of rope, one measuring 3/4 of a meter and the other 5/8 of a meter. Which methods can you use to determine which rope is longer? (Select all that apply)

undefined. A) Convert to decimals ✓

undefined. B) Use a number line ✓

undefined. C) Cross-multiply ✓

undefined. D) Compare numerators

You can use methods like converting to decimals, using a number line, or cross-multiplying to compare the lengths of the ropes.

You have two pieces of rope, one measuring 3/4 of a meter and the other 5/8 of a meter. Which methods can you use to determine which rope is longer? (Select all that apply)

undefined. A) Convert to decimals ✓

undefined. B) Use a number line ✓

undefined. C) Cross-multiply ✓

undefined. D) Compare numerators

You can use methods like converting to decimals, using a number line, or cross-multiplying.

Apply the cross-multiplication method to compare the fractions 5/6 and 7/9. Show your work.

To compare 5/6 and 7/9 using cross-multiplication, multiply 5 by 9 and 6 by 7, then compare the results.

Apply the cross-multiplication method to compare the fractions 5/6 and 7/9. Show your work.

Cross-multiply to compare the two fractions and determine which is larger.

Part 4: Evaluation and Creation

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If you convert the fractions 1/4 and 3/12 to have a common denominator, what is the new denominator?

undefined. A) 4

undefined. B) 12 ✓

undefined. C) 24

undefined. D) 48

The new denominator when converting 1/4 and 3/12 to a common denominator is 12.

Analyze the fractions 2/3 and 4/6. Are they equivalent? Why or why not? (Select all that apply)

undefined. A) Yes, because they have the same value when simplified. ✓

undefined. B) No, because their numerators are different.

undefined. C) Yes, because they represent the same part of a whole. ✓

undefined. D) No, because their denominators are different.

The fractions 2/3 and 4/6 are equivalent because they represent the same value when simplified.

Break down the process of converting the fractions 5/8 and 3/4 to decimals and compare them.

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To convert 5/8 and 3/4 to decimals, divide 5 by 8 and 3 by 4, then compare the results.

Break down the process of converting the fractions 5/8 and 3/4 to decimals and compare them.

Convert each fraction to a decimal and compare the values.

Which fraction is greater: 7/10 or 3/5? Use any method to justify your answer.

undefined. A) 7/10 ✓

undefined. B) 3/5

undefined. C) They are equal

undefined. D) Cannot be determined

7/10 is greater than 3/5 when compared using a common denominator or decimal conversion.

Which fraction is greater: 7/10 or 3/5? Use any method to justify your answer.

undefined. A) 7/10 ✓

undefined. B) 3/5

undefined. C) They are equal

undefined. D) Cannot be determined

7/10 is greater than 3/5.

Evaluate the following scenario: You have two recipes, one requires 2/3 cup of sugar and the other 3/4 cup. Which of the following statements are true? (Select all that apply)

undefined. A) The second recipe requires more sugar. ✓

undefined. B) The first recipe requires more sugar.

undefined. C) You can use the cross-multiplication method to compare. ✓

undefined. D) You can convert the fractions to decimals to compare. ✓

The second recipe requires more sugar than the first.

Evaluate the following scenario: You have two recipes, one requires 2/3 cup of sugar and the other 3/4 cup. Which of the following statements are true? (Select all that apply)

undefined. A) The second recipe requires more sugar. ✓

undefined. B) The first recipe requires more sugar.

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undefined. C) You can use the cross-multiplication method to compare. ✓

undefined. D) You can convert the fractions to decimals to compare. ✓

The second recipe requires more sugar, and you can use methods like cross-multiplication or decimal conversion to compare.

Create a real-world problem involving the comparison of fractions and solve it using one of the methods discussed. Explain your reasoning.

Create a problem that involves comparing fractions and provide a solution.

Create a real-world problem involving the comparison of fractions and solve it using one of the methods discussed. Explain your reasoning.

Create a problem such as comparing the lengths of two pieces of fabric and solve it using a method like cross-multiplication or decimal conversion.

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