

## **Fraction Comparison Worksheet Questions and Answers PDF**

Fraction Comparison Worksheet Questions And Answers PDF

Disclaimer: The fraction comparison worksheet questions and answers pdf was generated with the help of StudyBlaze Al. Please be aware that Al can make mistakes. Please consult your teacher if you're unsure about your solution or think there might have been a mistake. Or reach out directly to the StudyBlaze team at max@studyblaze.io.

## Part 1: Building a Foundation

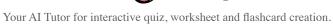
| . a.t. i. Dananig a i bandation   |
|---|
|   |
| What is the numerator in the fraction 3/4?  |
| Hint: Identify the top number in the fraction.  |
| <ul><li>A) 3 ✓</li><li>B) 4</li><li>C) 7</li><li>D) 1</li></ul>   |
| The numerator is the number above the fraction line.  |
| Which of the following are components of a fraction?  Hint: Select all that apply.  A) Numerator ✓  B) Denominator ✓  C) Quotient |
| D) Dividend   |
| A fraction consists of a numerator and a denominator.   |
| Explain the process of simplifying the fraction 8/12.   |

Hint: Consider the greatest common divisor.



| To simplify, divide both the numerator and denominator by their greatest common divisor.        |
|---|
| Provide two equivalent fractions for 1/2.   |
| Hint: Multiply the numerator and denominator by the same number.                                |
| 1. First equivalent fraction  |
|   |
| 2/4   |
| 2. Second equivalent fraction   |
|   |
| 3/6   |
| 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?   |
| Hint: Compare the two fractions.  |
| ○ A) 2/3  |
| ○ B) 3/4 ✓  |
| <ul><li>C) They are equal</li><li>D) Cannot be determined</li></ul>                             |
| C D <sub>f</sub> Carrier DC dotorrinion   |

Create hundreds of practice and test experiences based on the latest learning science.





| 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?  |
| Hint: Look for a number that both denominators can divide into.  |
|  |
| <ul><li>A) 4</li><li>B) 8 √</li></ul>  |
| □ C) 12  |
| □ 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.   |
| Hint: Consider the values of the fractions.  |
|  |
|  |
|  |
|  |
|  |
|  |
| 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? |
| Hint: Think about how many halves fit into three-quarters.   |
| ○ A) 1   |
| ○ B) 1.5 ✓   |
| ○ C) 2   |
| OD) 2.5  |
| You need to fill the 1/2 cup measuring cup 1.5 times to get 3/4 cup of sugar.  |
| Vou have a rong that is 12/16 maters long. Which of the following is the simplified length of the                        |
| You have a rope that is 12/16 meters long. Which of the following is the simplified length of the                        |

Create hundreds of practice and test experiences based on the latest learning science.

rope?



| Hint: Simplify the fraction to its lowest terms.   |
|--|
| <ul> <li>A) 3/4 meters ✓</li> <li>B) 6/8 meters</li> <li>C) 1/2 meters</li> <li>D) 2/3 meters</li> </ul> |
| 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?   |
| Hint: Identify the fraction that does not simplify to the same value.                                    |
| <ul> <li>A) 2/3 ✓</li> <li>B) 8/12</li> <li>C) 6/9</li> <li>D) 3/5</li> </ul>                            |
| 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.                              |
| Hint: Cross-multiply the fractions to compare them.  |
| <ul> <li>A) 5/7 ✓</li> <li>B) 6/8</li> <li>C) They are equal</li> <li>D) Cannot be determined</li> </ul> |
| 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.

Hint: Find a common denominator and compare the fractions.



|  | //      |
|--|---------|
| After converting to a common denominator, you can compare the two fractions to see w larger. | hich is |
| Which strategy is most efficient for comparing the fractions 5/6 and 7/8?                    |         |
| Hint: Consider the methods available for comparison.   |         |
| A) Finding a common denominator  |         |
| <ul><li>○ B) Cross-multiplication ✓</li><li>○ C) Converting to decimals</li></ul>            |         |
| 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.                     |         |
| Hint: Multiply the numerator and denominator by the same number.                             |         |
| □ A) 12/20 ✓   |         |
| <ul><li>□ B) 15/20 √</li><li>□ C) 9/20</li></ul>   |         |
| □ 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?

Hint: Compare the two fractions to determine the longer piece.



| // |
|----|

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