

# Fraction Comparison Worksheet

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## Part 1: Building a Foundation

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**What is the numerator in the fraction  $\frac{3}{4}$ ?**

*Hint: Identify the top number in the fraction.*

- A) 3
- B) 4
- C) 7
- D) 1

**Which of the following are components of a fraction?**

*Hint: Select all that apply.*

- A) Numerator
- B) Denominator
- C) Quotient
- D) Dividend

**Explain the process of simplifying the fraction  $\frac{8}{12}$ .**

*Hint: Consider the greatest common divisor.*

**Provide two equivalent fractions for  $\frac{1}{2}$ .**

*Hint: Multiply the numerator and denominator by the same number.*

1. First equivalent fraction

2. Second equivalent fraction

## Part 2: Comprehension and Application

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**Which fraction is larger:  $\frac{2}{3}$  or  $\frac{3}{4}$ ?**

*Hint: Compare the two fractions.*

- A)  $\frac{2}{3}$
- B)  $\frac{3}{4}$
- C) They are equal
- D) Cannot be determined

**To compare  $\frac{1}{4}$  and  $\frac{3}{8}$ , which common denominator could you use?**

*Hint: Look for a number that both denominators can divide into.*

- A) 4
- B) 8
- C) 12
- D) 16

**Describe how you would place the fractions  $\frac{1}{3}$  and  $\frac{2}{5}$  on a number line.**

*Hint: Consider the values of the fractions.*

**If a recipe calls for  $\frac{3}{4}$  cup of sugar and you only have a  $\frac{1}{2}$  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
- D) 2.5

**You have a rope that is  $\frac{12}{16}$  meters long. Which of the following is the simplified length of the rope?**

*Hint: Simplify the fraction to its lowest terms.*

- A)  $\frac{3}{4}$  meters
- B)  $\frac{6}{8}$  meters
- C)  $\frac{1}{2}$  meters
- D)  $\frac{2}{3}$  meters

### Part 3: Analysis, Evaluation, and Creation

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**Which of the following fractions is not equivalent to  $\frac{4}{6}$ ?**

*Hint: Identify the fraction that does not simplify to the same value.*

- A)  $\frac{2}{3}$
- B)  $\frac{8}{12}$
- C)  $\frac{6}{9}$
- D)  $\frac{3}{5}$

**Using cross-multiplication, determine which fraction is larger:  $\frac{5}{7}$  or  $\frac{6}{8}$ .**

*Hint: Cross-multiply the fractions to compare them.*

- A)  $\frac{5}{7}$
- B)  $\frac{6}{8}$
- C) They are equal
- D) Cannot be determined

**Analyze the fractions  $\frac{7}{9}$  and  $\frac{8}{10}$  by converting them to a common denominator and determine which is larger.**

*Hint: Find a common denominator and compare the fractions.*

**Which strategy is most efficient for comparing the fractions  $\frac{5}{6}$  and  $\frac{7}{8}$ ?**

*Hint: Consider the methods available for comparison.*

- A) Finding a common denominator
- B) Cross-multiplication
- C) Converting to decimals
- D) Using a number line

**Create a fraction that is equivalent to  $\frac{3}{5}$  and has a denominator of 20.**

*Hint: Multiply the numerator and denominator by the same number.*

- A)  $\frac{12}{20}$
- B)  $\frac{15}{20}$
- C)  $\frac{9}{20}$
- D)  $\frac{10}{20}$

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

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