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Whole Number Fraction Questions Worksheet 5th Grade Questions and Answers PDF

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Part 1: Building a Foundation

What is a whole number?

Hint: Think about numbers without fractions or decimals.

◯ A) A number with a decimal
◯ B) A fraction
◯ **C) A number without fractions or decimals ✓**
◯ D) A negative number

▎ A whole number is a number without fractions or decimals.

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

Hint: Look for numbers that represent parts of a whole.

☐ **A) 1/2 ✓**
☐ B) 3
☐ **C) 4/5 ✓**
☐ D) 7.5

▎ Fractions are numbers that represent parts of a whole.

Explain what an equivalent fraction is and provide an example.

Hint: Think about fractions that represent the same value.

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> **An equivalent fraction is a fraction that represents the same value as another fraction.**

List two examples of whole numbers and two examples of fractions.

Hint: Think of simple numbers for both categories.

1. Example of a whole number:

> 1

2. Example of a whole number:

> 2

3. Example of a fraction:

> 1/2

4. Example of a fraction:

> 3/4

> Whole numbers can be 1, 2; fractions can be 1/2, 3/4.

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Which fraction is equivalent to 2/4?

Hint: Think about simplifying the fraction.

○ **A) 1/2** ✔
○ B) 3/4
○ C) 2/3
○ D) 1/4

┃ The fraction equivalent to 2/4 is 1/2.

Part 2: comprehension and Application

What is the result of adding 1/4 and 1/4?

Hint: Think about adding fractions with the same denominator.

○ **A) 1/2** ✔
○ B) 1/8
○ C) 2/4
○ D) 1

┃ The result of adding 1/4 and 1/4 is 1/2.

Which of the following statements are true about the fraction 3/6? (Select all that apply)

Hint: Consider the properties of the fraction.

☐ **A) It is equal to 1/2** ✔
☐ B) It is greater than 1/2
☐ **C) It can be simplified to 1/2** ✔
☐ D) It is an improper fraction

┃ 3/6 can be simplified to 1/2 and is equal to 1/2.

Describe how you would convert the improper fraction 9/4 into a mixed number.

Hint: Think about dividing the numerator by the denominator.

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> **To convert 9/4 into a mixed number, divide 9 by 4 to get 2 with a remainder of 1, resulting in 2 1/4.**

If you have 3 whole pizzas and you eat 1/2 of one pizza, how much pizza do you have left?

Hint: Think about subtractively calculating the amount of pizza left.

○ **A) 2 1/2 pizzas ✓**
○ B) 2 pizzas
○ C) 3 1/2 pizzas
○ D) 2 1/4 pizzas

> You would have 2 1/2 pizzas left after eating 1/2 of one pizza.

Which of the following are equivalent to 4/8? (Select all that apply)

Hint: Consider simplifying the fraction.

☐ **A) 1/2 ✓**
☐ **B) 2/4 ✓**
☐ **C) 8/16 ✓**
☐ D) 3/4

> 4/8 can be simplified to 1/2, and is equivalent to 2/4 and 8/16.

A recipe calls for 3/4 cup of sugar. If you want to make half of the recipe, how much sugar do you need?

Hint: Think about dividing the amount of sugar by 2.

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> **You would need 3/8 cup of sugar to make half of the recipe.**

Part 3: Analysis, Evaluation, and Creation

Which of the following statements is true about the fractions 2/3 and 3/4?

Hint: Consider comparing the two fractions.

○ A) 2/3 is greater than 3/4
○ **B) 3/4 is greater than 2/3 ✓**
○ C) They are equal
○ D) Cannot be compared

> 3/4 is greater than 2/3.

Analyze the fractions 5/10 and 1/2. Which statements are true? (Select all that apply)

Hint: Consider the relationship between the two fractions.

☐ **A) They are equivalent ✓**
☐ B) 5/10 is greater than 1/2
☐ C) 1/2 is less than 5/10
☐ **D) Both can be simplified to 1/2 ✓**

> 5/10 and 1/2 are equivalent and can be simplified to 1/2.

Compare and contrast the fractions 7/8 and 5/6. Which is larger and why?

Hint: Think about the values of the fractions.

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> **7/8 is larger than 5/6 because it is closer to 1.**

If you were to double the fraction 3/5, what would the new fraction be?

Hint: Think about multiplying the numerator by 2.

○ **A) 6/5 ✓**
○ B) 3/10
○ C) 1 1/5
○ D) 9/5

> Doubling 3/5 results in 6/5.

Evaluate the following statements about fractions. Which are correct? (Select all that apply)

Hint: Consider the properties of the fractions.

☐ **A) 2/4 is the same as 1/2 ✓**
☐ B) 4/8 is greater than 1/2
☐ C) 3/6 is less than 2/3
☐ **D) 5/10 is equal to 1/2 ✓**

> 2/4 is the same as 1/2, and 5/10 is equal to 1/2.

Create a real-world problem involving fractions and solve it. Explain your reasoning and solution.

Hint: Think about a scenario where fractions are used.

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Students should create a problem involving fractions and provide a solution.

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