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Whole Numbers Fraction Questions Worksheet 5th Grade

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Part 1: Building a Foundation

What is a whole number?

Hint: Think about numbers that do not have fractions or decimals.

◯ A) A number with a decimal
◯ B) A negative number
◯ C) A non-negative number without fractions or decimals
◯ D) A fraction with a numerator of 1

What is a whole number?

◯ A) A number with a decimal
◯ B) A negative number
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What is a whole number?

◯ A) A number with a decimal
◯ B) A negative number
◯ C) A non-negative number without fractions or decimals
◯ D) A fraction with a numerator of 1

Which of the following are whole numbers? (Select all that apply)

Hint: Consider only non-negative numbers.

☐ A) 5
☐ B) -3
☐ C) 0

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☐ D) 2.5

Which of the following are whole numbers? (Select all that apply)

☐ A) 5
☐ B) -3
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Which of the following are whole numbers? (Select all that apply)

☐ A) 5
☐ B) -3
☐ C) 0
☐ D) 2.5

Define a proper fraction and give an example.

Hint: Think about fractions where the numerator is less than the denominator.

Define a proper fraction and give an example.

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Which of the following is an improper fraction?

Hint: Look for a fraction where the numerator is greater than or equal to the denominator.

○ A) 3/4
○ B) 5/2
○ C) 1/3
○ D) 2/5

Which of the following is an improper fraction?

○ A) 3/4
○ B) 5/2
○ C) 1/3
○ D) 2/5

Which of the following is an improper fraction?

○ A) 3/4
○ B) 5/2
○ C) 1/3
○ D) 2/5

Part 2: Comprehension and Application

What is the result of adding 1/4 and 3/4?

Hint: Add the numerators and keep the same denominator.

○ A) 1/2
○ B) 1
○ C) 2/4

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○ D) 4/4

What is the result of adding 1/4 and 3/4?

○ A) 1/2
○ B) 1
○ C) 2/4
○ D) 4/4

What is the result of adding 1/4 and 3/4?

○ A) 1/2
○ B) 1
○ C) 2/4
○ D) 4/4

Which of the following fractions are equivalent to 1/2? (Select all that apply)

Hint: Look for fractions that simplify to the same value.

☐ A) 2/4
☐ B) 3/6
☐ C) 4/8
☐ D) 5/10

Which of the following fractions are equivalent to 1/2? (Select all that apply)

☐ A) 2/4
☐ B) 3/6
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Explain how to convert an improper fraction to a mixed number.

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Hint: Think about dividing the numerator by the denominator.

Explain how to convert an improper fraction to a mixed number.

Explain how to convert an improper fraction to a mixed number.

If you have 3 whole pizzas and 1/2 of another pizza, how many pizzas do you have in total?

Hint: Add the whole pizzas to the fractional pizza.

◯ A) 3
◯ B) 3 1/2
◯ C) 4
◯ D) 4 1/2

If you have 3 whole pizzas and 1/2 of another pizza, how many pizzas do you have in total?

◯ A) 3
◯ B) 3 1/2

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○ C) 4
○ D) 4 1/2

If you have 3 whole pizzas and 1/2 of another pizza, how many pizzas do you have in total?

○ A) 3
○ B) 3 1/2
○ C) 4
○ D) 4 1/2

You have a recipe that requires 2/3 cup of sugar. If you want to make half of the recipe, how much sugar do you need? (Select all that apply)

Hint: Think about halving the fraction.

☐ A) 1/3 cup
☐ B) 1/2 cup
☐ C) 1/6 cup
☐ D) 2/6 cup

You have a recipe that requires 2/3 cup of sugar. If you want to make half of the recipe, how much sugar do you need? (Select all that apply)

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☐ A) 1/3 cup
☐ B) 1/2 cup
☐ C) 1/6 cup
☐ D) 2/6 cup

Part 3: Analysis, Evaluation, and Creation

What is the relationship between the fractions 2/3 and 4/6?

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Hint: Consider if they simplify to the same value.

◯ A) They are equivalent

◯ B) 2/3 is greater

◯ C) 4/6 is greater

◯ D) They are unrelated

What is the relationship between the fractions 2/3 and 4/6?

◯ A) They are equivalent

◯ B) 2/3 is greater

◯ C) 4/6 is greater

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What is the relationship between the fractions 2/3 and 4/6?

◯ A) They are equivalent

◯ B) 2/3 is greater

◯ C) 4/6 is greater

◯ D) They are unrelated

Analyze the following fractions and identify which are greater than 1/2. (Select all that apply)

Hint: Compare each fraction to 1/2.

☐ A) 3/5

☐ B) 1/4

☐ C) 2/3

☐ D) 5/10

Analyze the following fractions and identify which are greater than 1/2. (Select all that apply)

☐ A) 3/5

☐ B) 1/4

☐ C) 2/3

☐ D) 5/10

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☐ D) 5/10

Compare and contrast whole numbers and fractions in terms of their properties and uses.

Hint: Think about how they are used in different contexts.

Compare and contrast whole numbers and fractions in terms of their properties and uses.

Compare and contrast whole numbers and fractions in terms of their properties and uses.

Evaluate the following statement: "All improper fractions can be converted into whole numbers." Is this true or false?

Hint: Consider the definition of improper fractions.

○ A) True
○ B) False
○ C) Not applicable

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○ D) Depends on the fraction

Evaluate the following statement: "All improper fractions can be converted into whole numbers." Is this true or false?

○ A) True
○ B) False
○ C)
○ D)

You are given the task to divide a cake into 8 equal parts and share it among 5 people. Which of the following fractions represent the portion each person gets? (Select all that apply)

Hint: Think about how to divide the total parts by the number of people.

☐ A) 1/8
☐ B) 5/8
☐ C) 3/8
☐ D) 8/5

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☐ D) 8/5

Create a word problem involving fractions and whole numbers, then solve it.

Hint: Think about a scenario that includes both types of numbers.

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