Whole Numbers 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 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

> A whole number is a non-negative number without fractions or decimals.

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

> A whole number is a non-negative number without fractions or decimals.

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

A whole number is a non-negative number without fractions or decimals.

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

Hint: Consider only non-negative numbers.

- [ ] **A) 5 ✓**
- [ ] B) -3
- [ ] **C) 0 ✓**
- [ ] D) 2.5

Whole numbers include 0 and positive integers.

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

- [ ] **A) 5 ✓**
- [ ] B) -3
- [ ] **C) 0 ✓**
- [ ] D) 2.5

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

- [ ] **A) 5 ✓**
- [ ] B) -3
- [ ] **C) 0 ✓**
- [ ] D) 2.5

Whole numbers include non-negative integers.

Define a proper fraction and give an example.

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

A proper fraction is a fraction where the numerator is less than the denominator. For example, 3/4 is a proper fraction.

Define a proper fraction and give an example.

A proper fraction is a fraction where the numerator is less than the denominator. An example is 3/4.

Define a proper fraction and give an example.

A proper fraction is a fraction where the numerator is less than the denominator.

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

> An improper fraction has a numerator that is greater than or equal to its denominator.

Which of the following is an improper fraction?

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

> An improper fraction is a fraction where the numerator is greater than or equal to the denominator. The correct answer is 5/2.

Which of the following is an improper fraction?

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

> An improper fraction has a numerator that is greater than or equal to its denominator.

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
◯ D) 4/4

> The result of adding 1/4 and 3/4 is 1.

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

- ◯ A) 1/2
- ◯ **B) 1 ✓**
- ◯ C) 2/4
- ◯ D) 4/4

> The result of adding 1/4 and 3/4 is 1.

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

- ◯ A) 1/2
- ◯ **B) 1 ✓**
- ◯ C) 2/4
- ◯ D) 4/4

> The result of adding 1/4 and 3/4 is 1.

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 ✓**

> Fractions equivalent to 1/2 include 2/4, 3/6, 4/8, and 5/10.

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

- ☐ **A) 2/4 ✓**
- ☐ **B) 3/6 ✓**
- ☐ **C) 4/8 ✓**
- ☐ **D) 5/10 ✓**

> Fractions equivalent to 1/2 include 2/4, 3/6, and 4/8.

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

- ☐ **A) 2/4 ✓**
- ☐ **B) 3/6 ✓**

- [ ] **C) 4/8 ✓**
- [ ] **D) 5/10 ✓**

> Equivalent fractions represent the same value.

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

Hint: Think about dividing the numerator by the denominator.

> **To convert an improper fraction to a mixed number, divide the numerator by the denominator to find the whole number, and use the remainder as the new numerator over the original denominator.**

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

> **To convert an improper fraction to a mixed number, divide the numerator by the denominator and express the remainder as a fraction.**

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

To convert an improper fraction to a mixed number, divide the numerator by the denominator.

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

You have a total of 3 1/2 pizzas.

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 total of 3 1/2 pizzas.

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 total of 3 1/2 pizzas.

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.

- [x] **A) 1/3 cup ✓**
- [ ] B) 1/2 cup
- [ ] C) 1/6 cup
- [ ] D) 2/6 cup

> To make half of the recipe, you need 1/3 cup of sugar.

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)

- [x] **A) 1/3 cup ✓**
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- [ ] C) 1/6 cup
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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)

- [x] **A) 1/3 cup ✓**
- [ ] B) 1/2 cup
- [ ] C) 1/6 cup
- [ ] D) 2/6 cup

> To make half of the recipe, you need 1/3 cup of sugar.

Part 3: Analysis, Evaluation, and Creation

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

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

> The fractions 2/3 and 4/6 are equivalent.

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

> The fractions 2/3 and 4/6 are equivalent.

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

> The fractions 2/3 and 4/6 are equivalent.

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

> Fractions greater than 1/2 include 3/5 and 2/3.

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

Fractions greater than 1/2 include 3/5 and 2/3.

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

Fractions greater than 1/2 include 3/5 and 2/3.

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

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

Whole numbers are used for counting and ordering, while fractions represent parts of a whole.

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

Whole numbers are non-negative integers, while fractions represent parts of a whole. Both have unique properties and applications in mathematics.

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

Whole numbers are non-negative integers, while fractions represent parts of a whole.

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
- ◯ D) Depends on the fraction

This statement is false; improper fractions can be converted to mixed numbers but not all are whole numbers.

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

- ◯ A) True
- ◯ **B) False ✓**
- ◯ C)
- ◯ D)

This statement is false; not all improper fractions can be converted into whole numbers.

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

Each person gets 1/8 of the cake, and the total shared is 5/8.

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)

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- [ ] B) 5/8
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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)

- [x] **A) 1/8 ✓**
- [ ] B) 5/8
- [ ] C) 3/8
- [ ] D) 8/5

Each person gets 1/8 of the cake.

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

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

An example could be: If you have 2 whole pizzas and 1/3 of another, how many pizzas do you have? The answer is 2 1/3 pizzas.

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

An example could be: If you have 2 whole pizzas and 3/4 of another, how many pizzas do you have? The answer is 2 3/4 pizzas.

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

A sample word problem could involve adding whole numbers and fractions.