

Whole Number Fraction Questions Worksheet 5th Grade Answer Key PDF

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Part 1: Building a Foundation

What is a whole number?

undefined. A) A number with a decimal

undefined. B) A fraction

undefined. C) A number without fractions or decimals ✓

undefined. 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)

undefined. A) $1/2$ ✓

undefined. B) 3

undefined. C) $4/5$ ✓

undefined. D) 7.5

Fractions are numbers that represent parts of a whole.

Explain what an equivalent fraction is and provide an example.

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.

1. Example of a whole number:

1

2. Example of a whole number:

2

3. Example of a fraction:

$\frac{1}{2}$

4. Example of a fraction:

$\frac{3}{4}$

Whole numbers can be 1, 2; fractions can be $\frac{1}{2}$, $\frac{3}{4}$.

Which fraction is equivalent to $\frac{2}{4}$?

undefined. **A) $\frac{1}{2}$ ✓**

undefined. B) $\frac{3}{4}$

undefined. C) $\frac{2}{3}$

undefined. D) $\frac{1}{4}$

The fraction equivalent to $\frac{2}{4}$ is $\frac{1}{2}$.

Part 2: comprehension and Application

What is the result of adding $\frac{1}{4}$ and $\frac{1}{4}$?

undefined. **A) $\frac{1}{2}$ ✓**

undefined. B) $\frac{1}{8}$

undefined. C) $\frac{2}{4}$

undefined. D) 1

The result of adding $\frac{1}{4}$ and $\frac{1}{4}$ is $\frac{1}{2}$.

Which of the following statements are true about the fraction $\frac{3}{6}$? (Select all that apply)

undefined. **A) It is equal to $\frac{1}{2}$ ✓**

undefined. B) It is greater than $\frac{1}{2}$

undefined. **C) It can be simplified to $\frac{1}{2}$ ✓**

undefined. D) It is an improper fraction

$\frac{3}{6}$ can be simplified to $\frac{1}{2}$ and is equal to $\frac{1}{2}$.

Describe how you would convert the improper fraction $\frac{9}{4}$ into a mixed number.

To convert $\frac{9}{4}$ into a mixed number, divide 9 by 4 to get 2 with a remainder of 1, resulting in $2\frac{1}{4}$.

If you have 3 whole pizzas and you eat $\frac{1}{2}$ of one pizza, how much pizza do you have left?

undefined. A) $2\frac{1}{2}$ pizzas ✓

undefined. B) 2 pizzas

undefined. C) $3\frac{1}{2}$ pizzas

undefined. D) $2\frac{1}{4}$ pizzas

You would have $2\frac{1}{2}$ pizzas left after eating $\frac{1}{2}$ of one pizza.

Which of the following are equivalent to $\frac{4}{8}$? (Select all that apply)

undefined. A) $\frac{1}{2}$ ✓

undefined. B) $\frac{2}{4}$ ✓

undefined. C) $\frac{8}{16}$ ✓

undefined. D) $\frac{3}{4}$

$\frac{4}{8}$ can be simplified to $\frac{1}{2}$, and is equivalent to $\frac{2}{4}$ and $\frac{8}{16}$.

A recipe calls for $\frac{3}{4}$ cup of sugar. If you want to make half of the recipe, how much sugar do you need?

You would need $\frac{3}{8}$ 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 $\frac{2}{3}$ and $\frac{3}{4}$?

undefined. A) $\frac{2}{3}$ is greater than $\frac{3}{4}$

undefined. B) $\frac{3}{4}$ is greater than $\frac{2}{3}$ ✓

undefined. C) They are equal

undefined. D) Cannot be compared

$\frac{3}{4}$ is greater than $\frac{2}{3}$.

Analyze the fractions $\frac{5}{10}$ and $\frac{1}{2}$. Which statements are true? (Select all that apply)

undefined. **A) They are equivalent ✓**

undefined. B) $\frac{5}{10}$ is greater than $\frac{1}{2}$

undefined. C) $\frac{1}{2}$ is less than $\frac{5}{10}$

undefined. **D) Both can be simplified to $\frac{1}{2}$ ✓**

$\frac{5}{10}$ and $\frac{1}{2}$ are equivalent and can be simplified to $\frac{1}{2}$.

Compare and contrast the fractions $\frac{7}{8}$ and $\frac{5}{6}$. Which is larger and why?

$\frac{7}{8}$ is larger than $\frac{5}{6}$ because it is closer to 1.

If you were to double the fraction $\frac{3}{5}$, what would the new fraction be?

undefined. **A) $\frac{6}{5}$ ✓**

undefined. B) $\frac{3}{10}$

undefined. C) $1\frac{1}{5}$

undefined. D) $\frac{9}{5}$

Doubling $\frac{3}{5}$ results in $\frac{6}{5}$.

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

undefined. **A) $\frac{2}{4}$ is the same as $\frac{1}{2}$ ✓**

undefined. B) $\frac{4}{8}$ is greater than $\frac{1}{2}$

undefined. C) $\frac{3}{6}$ is less than $\frac{2}{3}$

undefined. **D) $\frac{5}{10}$ is equal to $\frac{1}{2}$ ✓**

$\frac{2}{4}$ is the same as $\frac{1}{2}$, and $\frac{5}{10}$ is equal to $\frac{1}{2}$.

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

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