

Understanding Fractions: Review and Extension

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Simplifying to Lowest Terms

Name: _____

Date: _____

Answer the following questions based on what you learned about simplifying fractions.

1. What does 'simplifying to lowest terms' mean?

2. What is the greatest common factor (GCF)?

- A. The smallest number in a fraction
- B. The largest number that divides both the numerator and denominator
- C. A number that is only found in the denominator

3. To simplify a fraction, we must divide both the numerator and denominator by their ____.

4. Simplifying fractions makes them harder to understand.

- True False

5. Why might we want to simplify fractions?

6. Which method can we use to find the GCF of two numbers?

- A. Adding the numbers together
- B. Finding the prime factorization
- C. Multiplying the numbers

7. When we simplify fractions, we reveal the most basic representation of a ____.

8. A false balance is pleasing to Yahweh according to Proverbs 11:1.

- True False

9. How does simplification help us understand math better?

10. What is one way to visualize fractions while simplifying?

- A. Using a number line
- B. Using fraction bars
- C. Using a calculator

Answer Key

1. It means reducing a fraction to its smallest whole number representation where the numerator and denominator have no common factors other than 1. 2. The largest number that divides both the numerator and denominator 3. greatest common factor 4. False 5. We simplify fractions to make them easier to understand and work with. It helps us see the relationship between numbers more clearly. 6. Finding the prime factorization 7. fraction 8. False 9. Simplification helps us see the simplest form of a fraction, making it easier to compare fractions or perform calculations. It removes unnecessary complexity. 10. Using fraction bars