

Fraction Concepts

Multiply or divide the numerator and denominator of a fraction by the same (nonzero) number to write an equivalent fraction.

Example 1: Write two fractions equivalent to

To write a fraction in simplest form, divide the numerator and denominator by their greatest common factor.

Example 2: Write the fraction in simplest form.

Two numbers are reciprocals if their product is 1 (flip the numbers in the numerator and denominator).

Example 3: Find the reciprocal of the number.

Fractions and Decimals

Divide to write a fraction as a decimal. If the remainder is ever zero, the result is a terminating decimal. If the quotient has a digit or group of digits that repeats, the result is a repeating decimal.

Example 4: Write the fraction as a decimal.

Example 5: Write the decimal as a fraction in simplest form.