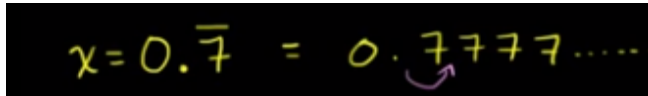


TSW solve linear equations with one variable by simplifying expressions using distributive property, laws of equality, combining like terms, and moving all variables to one side of the equal sign.

TSW

Converting Repeating Decimals to Fractions


$$x = 0.\overline{7} = 0.7777\dots$$

Step 1: Assign variable to the repeating decimal

Step 2: Subtract X from $10X$ to get a terminating decimal

Step 3: Solve for X

Example 2

Write the decimal $0.\overline{16}$ as a fraction.

Step 1: Assign variable to the repeating decimal

Step 2: Subtract X from $10X$ to get a terminating decimal

Step 3: Solve for X