Step 1: Look at the repeating decimal. If the repeating decimal is one digit that repeats itself, place the repeating digit as the numerator over the denominator 9. **THIS ONLY WORKS FOR A SINGLE DIGIT THAT REPEATS ITSELF!!!**

Examples**:**  = = =

Step 2: To convert repeating decimals with more than one digit that repeats – count the number of repeating decimals and place it as the numerator over the same number of 9s in the denominator.

Examples: = = =

Convert a decimal to a fraction when the digit in the tenths place is NOT a part of the repeating numbers

Example:

Step 1: Take the first 3 digits and subtract it by the first digit

Step 2: That result is your numerator over the denominator 990.

(reduce if necessary)

YOUR TURN TO PRACTICE!!!