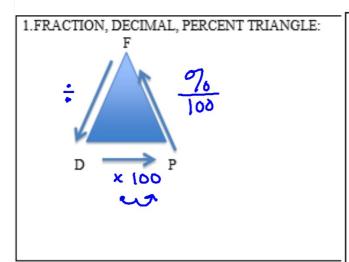
| Vividing Fractions | 1)
$$4\frac{1}{5} \div 3\frac{1}{2}$$
 | 2) $4\frac{1}{5} \div 3\frac{7}{10}$ | 2) $4\frac{1}{5} \div 3\frac{1}{2}$ | 2) $4\frac{1}{5} \div 3\frac{1}{2}$ | 2) $4\frac{1}{5} \div 3\frac{1}{2}$ | 2) $4\frac{1}{5} \div 3\frac{7}{10}$ | 2) $4\frac{1}{5} \div 3\frac{1}{2}$ | 2) $4\frac{1}{5} \div 3\frac{7}{10}$ | 2) $4\frac{1}{5} \div 3\frac{1}{2}$ | 2) $4\frac{1}{5} \div 3\frac{7}{10}$ | 2) $4\frac{1}{5} \div 3\frac{7}{10}$ | 2) $4\frac{1}{5} \div 3\frac{7}{10}$ | 2) $4\frac{1}{5} \div 3\frac{1}{10}$ | 3) $4\frac{1}{5} \div 3\frac{1}{10}$ | 4) $4\frac{1}{5} \div 3\frac{1}{10}$ | 5) $4\frac{1}{5} \div 3\frac{1}{10}$ | 6) $4\frac{1}{5} \div 3\frac{1}{10}$ | 6) $4\frac{1}{5} \div 3\frac{1}{10}$ | 7) $4\frac{1}{5} \div 3\frac{1}{10}$ | 7) $4\frac{1}{5} \div 3\frac{1}{10}$ | 7) $4\frac{1}{5}$

When finished, get wbw #3, then copy these pictures and blanks onto index cards. Label your cards with the numbers in the corner of the box.



2.FRACTIONS

- a. Adding Fractions Get a <u>Common</u> Denominator, add the numerators
- b. Subtracting Fractions:
 - Get a Common Denominator, Subtract the numerators
- c. Multiple Fractions: Multiply the numerators,
 Multiply the denominator
- d. Divide Fractions: Same, Change, Flip
 Keep the first fraction, Change the sign from
 divide to multiply, flip the last fraction.
 Final answer no Common Factors

3. REPEATING DECIMALS TO FRACTIONS
i. Write the numbers that are <u>repeating</u> in the numerator
(<u>bp</u>).
ii. Place's in the denominator (bottom).
***The number of $\underline{}$'s depends on the number of digits
repeating****
iii. <u>Reduce</u> your fraction.
iii. <u>Reduce</u> your fraction. (no common factors)
•

Reading/Journaling ~ Explore

Using your calculator, write the decimal expansion of the following fractions.

- 1) 4
- 2) 2
- 3) <u>23</u>
- 4) <u>421</u> 999
- 5) <u>56</u> 99

Describe what you noticed when these fractions were converted to decimals. What was significant about the numerator and denominator?

Converting Repeating Decimals to Fractions

Step 1:

Identify the digits that are repeating Step 2:

Are the repeating digits directly after the decimal?

Copy into your notebook

Yes

1)Write the digits that are repeating in the numerator.

- 2) Place 9's in the denominator.
 ***The number of 9's depends on
 the number of digits repeating***
 - 3) Reduce Fraction

No

- 1)Multiply by 10, 100, 1000, etc. to move the repeating digits behind the decimal.
- 2) Write the new decimal number as a mixed number- write the whole number and write the digits that are repeating in the numerator. Place 9's in the denominator.
 - ***The number of 9's depends on the number of digits repeating***
- 3) Undo multiplication by division...whatever you multiplied by in step 1, you must divide by before reducing the fraction (don't forget division rules!).

 4) Reduce Fraction

Repeating Decimals to Fractions

https://learnzillion.com/lesson _plans/4937-convertrepeating-decimals-intofractions

We will be taking notes on this video today together.

Practice



https://learnzillion.com/resources/52298?card_id=63591

Write each decimal as a fraction:

1)
$$0.\overline{3} = \frac{3}{9} = \frac{1}{3}$$

1)
$$0.\overline{3} = \frac{3}{9} = \frac{1}{3}$$

2) $0.\overline{18} = \frac{18}{99} = \frac{2(9)}{11(9)} = \frac{2}{11}$

- 3) 2.2
- 4) 3.63
- 5) 0.28
- 6) 0.97

