

~~Feb 7~~

Jan 30

~~Jan. 30~~ - bell ringer

$$1) \frac{3}{4} + \frac{5}{4}$$

$$\textcircled{2} \frac{1}{7} - \frac{3}{4}$$

$$2) \frac{1}{2} - \frac{5}{8}$$

Learning target:

You can add and subtract rational expressions.

Part 1: adding and subtracting rational expressions with like denominators

$$\textcircled{1} \quad \frac{4x}{15} + \frac{16x}{15}$$

$$\textcircled{2} \quad \frac{7x+9}{x-3} - \frac{x-5}{x-3}$$

$$3) \frac{3x}{11-x} + \frac{-5x}{x-11}$$

$$4) \frac{17h+4}{15h-5} - \frac{2h-6}{15h-5}$$

Part 2:

Adding and subtracting rational expressions with unlike denominators

You must find the LCD.

Review finding the LCM.

1. Find the LCM of 12 and 32.

2. Find the LCM of  $12x^4y$  ,  $32xy^2$

3) Find the LCM of  
 $x^2 - 3x - 28$  and  $x^2 - 8x + 7$

Add or Subtract

$$1) \frac{7}{4k+8} - \frac{k}{k+2}$$

$$\frac{21}{x+7} + \frac{x+3}{x-3}$$

$$3) \frac{2}{x-1} + \frac{3}{x+1} - \frac{4x-2}{x^2-1}$$

Assignment

p. 716-717

16-48E, 60, 62