

Turn in your homework

You need a pencil, paper, and the
notes

Add and Subtract Like Fractions

Same Denominators

- 1) Add or subtract the numerators of the fractions
- 2) Keep the denominator the same!
- 3) Simplify the answer (this includes simplest form and changing improper fractions into mixed numbers).

Example 1: Add and write in simplest form

$$\frac{2}{3} + \frac{1}{3}$$

You do problems A and B in your notes

* Remember LCC when subtracting

* Remember what to do when the signs are different

A

$$-\frac{11}{12} - \frac{5}{12}$$

B

$$-\frac{3}{7} + \frac{1}{7}$$

Add and Subtract UNLIKE Fractions Different Denominators

$$\frac{1}{2} + \frac{1}{4}$$

* Make the denominators the same and then Add or Subtract just like you did with like fractions.

Step 1: Find the LCD

$$\frac{1}{2} + \frac{1}{4}$$

Step 2: Use the LCD to Rename the fractions

$$\frac{1}{2} =$$

$$\frac{1}{4} =$$

Step 3: Add or Subtract the
Numerators leave the Denominators
the same

$$\frac{2}{4} + \frac{1}{4}$$

Step 4: Simplify!!!!

Now you try A and B

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

$$-\frac{2}{3} - \frac{1}{2}$$

C is a little different lets do it together

$$\frac{3}{4} + \frac{5}{9} + \frac{7}{4}$$

Adding and Subtracting Mixed Numbers

Same thing only add or subtract the whole numbers

EXAMPLE: $7 \frac{4}{9} + 10 \frac{2}{9}$

You try

$$3 \frac{1}{12} + 4 \frac{7}{12}$$

Example 2:

$$8 \frac{5}{6} - 2 \frac{1}{3}$$

You try

$$9 \frac{7}{10} - 4 \frac{3}{5}$$

Example 3:

$$2\frac{1}{3} - 1\frac{2}{3}$$

Your turn

$$8 \frac{1}{5} - 3 \frac{3}{5}$$