

Sums and Differences of Like Fractions - Guided Lesson Explanation**Explanation to #1**

By observing both fractions, we find that denominators are same. So we can subtract just the numerators.

$$\text{Step 3a) } \frac{8}{10} - \frac{3}{10}$$

Subtract the numerators:

$$\frac{8}{10} - \frac{3}{10} = \frac{5}{10}$$

So the answer is $\frac{5}{10}$.

$$\text{b) } \frac{7}{5} - \frac{1}{5}$$

Subtract the numerators, since the denominators are same.

$$\frac{7}{5} - \frac{1}{5} = \frac{6}{5}$$

So the answer is $\frac{6}{5}$.

Explanation to #2

Observe both fractions. It can be clearly seen that the denominators are same. So we can add numerators.

$$\text{Step 3a) } \frac{6}{11} + \frac{9}{11}$$

$$\frac{6}{11} + \frac{9}{11} = \frac{12}{11}$$

The answer is $\frac{12}{11}$.



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b) $\frac{4}{2} + \frac{3}{2}$

Add numerators

$$\frac{4}{2} + \frac{3}{2} = \frac{7}{2}$$

The answer is $\frac{7}{2}$.**Explanation to #3**

As we can see, the denominators of all three fractions are same. So, we can simply add the numerators of all three fractions.

Step 2a) $\frac{2}{7} + \frac{5}{7} + \frac{7}{7}$

Add the numerators

$$\frac{2}{7} + \frac{5}{7} + \frac{7}{7} = \frac{14}{7}$$

This answer is $\frac{14}{7}$

b) $\frac{6}{4} + \frac{1}{4} + \frac{2}{4}$

Add the numerators

$$\frac{6}{4} + \frac{1}{4} + \frac{2}{4} = \frac{9}{4}$$

So the answer is $\frac{9}{4}$.