

Name _____

Date _____

Mr. Tallman

Math 7-8A

Lesson #14 - Adding and Subtracting Fractions with Unlike Denominators

In order to add or subtract fractions, we need to have _____.

Example 1) Add the following. Write your answer in simplest form.

A) $\frac{2}{3} + \frac{3}{15}$	B) $-\frac{3}{10} + \left(-\frac{2}{5}\right)$
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**REMEMBER: When SUBTRACTING, we use the rule _____.

Example 2) Subtract the following. Write your answer in simplest form

A) $\frac{3}{15} - \frac{2}{3}$	B) $-\frac{5}{9} - \left(-\frac{3}{18}\right)$
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Try it! Subtract the following. Be sure to write your answer in simplest form.

$$-\frac{2}{3} - \left(-\frac{3}{8}\right)$$

Example 3) Evaluate the following. Write your answer in simplest form. $-6\frac{2}{9} + 4\frac{5}{6}$

Now, You Try! Add or subtract. Be sure to write your answer in simplest form.

4) $-\frac{1}{3} - \left(-\frac{3}{4}\right)$	5) $-\frac{5}{6} + \left(-\frac{1}{2}\right)$	6) $-\frac{1}{2} + \frac{7}{8}$
7) $-3\frac{1}{2} + 8\frac{1}{3}$	8) $-1\frac{2}{5} + \left(-3\frac{1}{3}\right)$	9) $2\frac{3}{4} - 6\frac{1}{3}$

10) Four telephone books are $2\frac{1}{8}$, $1\frac{15}{16}$, $1\frac{3}{4}$, and $2\frac{3}{8}$ inches thick. If these books were stacked one on top of another, what is the total height of the books?

a) $5\frac{3}{16}$ inches

b) $8\frac{3}{16}$ inches

c) $11\frac{3}{16}$ inches

d) $15\frac{3}{16}$ inches