Name_____ Per _____

Mrs. Doolan/Math6

6-5 Adding Mixed Numbers

I will learn to add mixed numbers with like and unlike denominators.

**** To add mixed numbers:**

1) Add the whole numbers.

2) Add the fractions:

***Convert to common denominators if necessary.**

3) Put the two parts together

*** If the sum of the fractions is improper, rewrite as a mixed number and add the whole numbers.**

Example: $2 + \frac{12}{10} = 2 + 1\frac{2}{10} = 3\frac{2}{10} = 3\frac{1}{5}$

4) Simplify the fraction if possible.

EX #1: Find the sum

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

$1\frac{2}{6} + 2\frac{3}{6}$

$= 3\frac{5}{6}$

EX #2: Find the sum

$27\frac{9}{10} + 3\frac{3}{5}$

$27\frac{9}{10} + 3\frac{6}{10}$

$= 30\frac{15}{10}$

(make proper) $= 30 + 1 + \frac{5}{10}$

(add whole numbers) $= 31\frac{5}{10}$

(simplify) $= 31\frac{1}{2}$

YOUGOT THIS:

1.

$$\begin{array}{rr} & 12\ \frac{5}{6} \\ + & 2\ \frac{2}{5} \\ \hline & \end{array}$$

2.

$$\begin{array}{rr} & 30\ \frac{2}{10} \\ + & 16\ \frac{14}{15} \\ \hline & \end{array}$$