12/5 6.5 Subtracting Mixed Numbers by Renaming

Method 1:

① Rewrite the fractions using the LCD

② Rename if necessary ✱

③ Subtract

④ Simplify

$2\frac{3}{3} \rightarrow 2\frac{1}{3}$ (borrow)

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

$= 1\frac{4}{3} - 1\frac{2}{3} = \frac{2}{3}$

Method 1

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

$\frac{7}{3} - \frac{5}{3} = \frac{2}{3}$

Method 2

P. 290 #s 1-4 : 2 min.

① $1\frac{6}{7}$

② $1\frac{1}{2}$

③ $2\frac{1}{2}$

④ $1\frac{4}{5}$

$2\frac{3}{5} - \frac{4}{5}$

$\frac{13}{5} - \frac{4}{5} = \frac{9}{5} = 1\frac{4}{5}$

P. 291 Ex. 2:

$5 - 3\frac{1}{7} \leftarrow$

$4\frac{7}{7} - 3\frac{1}{7} = 1\frac{6}{7}$

P. 291 Ex. 3:

$$\begin{array}{r} 5\frac{1}{3} \\ -\,3\frac{3}{4} \\ \hline \end{array} = \begin{array}{r} \cancel{5}\,\frac{4}{12}+\frac{12}{12} \\ -\,3\frac{9}{12} \\ \hline \end{array} = \begin{array}{r} 4\frac{16}{12} \\ -\,3\frac{9}{12} \\ \hline \end{array}$$

$1\frac{7}{12}$ feet

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P. 293 #34:

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

$4\frac{3}{3} - 2\frac{1}{3} = 2\frac{2}{3}$ in.

In Class:

p. 292 #s 1-25

HW: WS 6.5

p. 83 #s 2-13

p. 84 #s 20-22