

6.5 Subtracting Mixed Numbers by Renaming

$$\begin{array}{r} \overset{6}{\cancel{10}} \overset{12}{\cancel{12}} \\ - 98 \\ \hline 614 \end{array}$$

Rename my 2
Rename my 0

$$7\frac{1}{2} - 3\frac{7}{8}$$

Find the LCD

$$7\frac{4}{8} - 3\frac{7}{8}$$

Rename Fraction
Take 1 away from whole number
Add denominator to the numerator

$$6\frac{12}{8} - 3\frac{7}{8}$$

Subtract whole and fractions

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

Simplify if needed

$$12\frac{2}{3} - 11\frac{3}{5}$$

LCD = 15

$$11\frac{5}{3} - 11\frac{6}{5}$$

$$11\frac{25}{15} - 11\frac{18}{15}$$

$$1\frac{7}{15}$$

12 $\frac{10}{15}$ - 11 $\frac{9}{15}$

$$\frac{16}{15}$$

$$1\frac{1}{15}$$

$$6\frac{5}{6} - 5\frac{7}{8}$$

LCD 24

$$6\frac{20}{24} - 5\frac{21}{24}$$

Rename $6\frac{20}{24}$

$$5\frac{44}{24} - 5\frac{21}{24}$$

Subtract

$$2\frac{23}{24}$$

$$8 - 6\frac{3}{4}$$

$$8\frac{0}{4} - 6\frac{3}{4}$$

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

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

P 318 - 319

2 - 44 even