

Reteaching Page

5.9 Subtracting Mixed Numbers

The Steps:

1. Compare the fractions to see if regrouping is needed.
2. Regroup if needed.
3. Subtract the fractions.
4. Simplify.
5. Subtract the whole numbers.

$$3 \frac{1}{3} - 2 \frac{5}{6} =$$

Compare the fractions. $\frac{1}{3} < \frac{5}{6}$
 Regroup Change the 3 to 2.
 $3+1 = 4$ so $\frac{1}{3}$ becomes $\frac{4}{3}$
 Subtract the fractions. $\frac{4}{3} - \frac{5}{6} = \frac{8}{6} - \frac{5}{6} = \frac{3}{6}$
 Simplify. $\frac{3}{6} = \frac{1}{2}$
 Subtract the whole #'s. $2 - 2 = 0$

$$3 \frac{1}{3} - 2 \frac{5}{6} = 0 \frac{1}{2}$$

$$4 \frac{3}{5} - 1 \frac{1}{3} =$$

Compare the fractions. $\frac{3}{5} > \frac{1}{3}$
 Regroup not required.
 Subtract the fractions. $\frac{3}{5} - \frac{1}{3} = \frac{4}{15}$
 Simplify. $\frac{4}{15} = \frac{4}{15}$
 Subtract the whole #'s. $4 - 1 = 3$

$$4 \frac{3}{5} - 1 \frac{1}{3} = 3 \frac{4}{15}$$

Let's work a few together.

$$5 \frac{3}{4} - 1 \frac{5}{8} =$$

Compare the fractions. $\frac{3}{4} \underline{\hspace{1cm}} \frac{5}{8}$
 Regroup not required.
 Subtract the fractions. $\frac{3}{4} - \frac{5}{8} = \underline{\hspace{2cm}}$
 Simplify.
 Subtract the whole #'s. $5 - 1 = 4$

$$5 \frac{3}{4} - 1 \frac{5}{8} = 4 \frac{\hspace{1cm}}{8}$$

$$3 \frac{2}{7} - 3 \frac{1}{5} = \underline{\hspace{2cm}}$$

$$5 \frac{1}{5} - 2 \frac{3}{7} =$$

Compare the fractions. $\frac{1}{5} \underline{\hspace{1cm}} \frac{3}{7}$
 Regroup Change the $\underline{\hspace{1cm}}$ to $\underline{\hspace{1cm}}$.
 $5+1 = 6$ so $\frac{1}{5}$ becomes $\underline{\hspace{1cm}}$
 Subtract the fractions.
 Simplify.
 Subtract the whole #'s. $4 - 2 = 2$

$$5 \frac{1}{5} - 2 \frac{3}{7} = 2 \underline{\hspace{1cm}}$$

$$3 \frac{1}{2} - 2 \frac{2}{3} = \underline{\hspace{2cm}}$$