Name_____

5.NF.1

To subtract fractions with unlike denominators:

$$\begin{array}{r} \frac{2}{5} \\ -\frac{1}{3} \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{c} \frac{2 \times 3}{5 \times 3} \\ \frac{1 \times 5}{3 \times 5} \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{c} \frac{6}{15} \\ \frac{5}{15} \\ \hline \frac{1}{15} \end{array}$$

1. Find the lowest common denominator (LCD).
2. Rewrite each fraction using the LCD.
3. Subtract.
4. Simplify if possible.

$$\begin{array}{r} \frac{5}{8} \\ -\frac{1}{3} \\ \hline \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{c} \frac{5 \times 3}{8 \times 3} \\ \frac{1 \times 3}{3 \times 8} \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{c} \frac{15}{24} \\ \frac{8}{24} \\ \hline \frac{7}{24} \end{array}$$

Subtract. Simplify if possible.

1. $\begin{array}{r} \frac{2}{3} \\ -\frac{1}{4} \\ \hline \end{array}$

2. $\begin{array}{r} \frac{4}{5} \\ -\frac{1}{2} \\ \hline \end{array}$

3. $\begin{array}{r} \frac{1}{2} \\ -\frac{1}{3} \\ \hline \end{array}$

4. $\begin{array}{r} \frac{5}{7} \\ -\frac{1}{2} \\ \hline \end{array}$

5. $\begin{array}{r} \frac{1}{2} \\ -\frac{2}{9} \\ \hline \end{array}$

6. $\begin{array}{r} \frac{2}{3} \\ -\frac{2}{7} \\ \hline \end{array}$

7. $\begin{array}{r} \frac{3}{4} \\ -\frac{1}{5} \\ \hline \end{array}$

8. $\begin{array}{r} \frac{4}{5} \\ -\frac{2}{7} \\ \hline \end{array}$

9. $\begin{array}{r} \frac{3}{5} \\ -\frac{2}{9} \\ \hline \end{array}$

10. $\begin{array}{r} \frac{7}{8} \\ -\frac{2}{5} \\ \hline \end{array}$

11. $\begin{array}{r} \frac{5}{6} \\ -\frac{1}{7} \\ \hline \end{array}$

12. $\begin{array}{r} \frac{9}{11} \\ -\frac{1}{6} \\ \hline \end{array}$

❑ I can use equivalent fractions to subtract fractions with unlike denominators.