

Name:

Standard: CCSS.Math.Content.5.NF.A.1

Description: Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators. For example, 2/3 + 5/4 = 8/12 + 15/12 = 23/12. (In general, a/b + c/d = (ad + bc)/bd.).

Subtract Mixed Number From Mixed Number with Unlike Denominator:

1. 6. $4 ext{ 1}$ 8 ext{ 1} $4 ext{ -2 $
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
5 3 9 5 2. 6 2 5 1 5 7 3 5 1 5 7 3 5 1 $3.$ 4 11 3 2 7 12 9 -3 $=$ 7 12 9 -3 $=$ 9 10 9 10 9 4 3 4 4 4
$ \begin{array}{c} 6 & 2 \\ 5 & -2 & -2 \\ 7 & 3 \end{array} $ $ \begin{array}{c} 5 & 1 \\ 5 & -4 & -2 \\ 12 & 4 \end{array} $ $ \begin{array}{c} 8 \\ 3 & 2 \\ 9 & -3 & -2 \\ 9 & 10 \end{array} $ $ \begin{array}{c} 8 \\ 3 & 2 \\ 9 & -3 & -2 \\ 9 & 10 \end{array} $ $ \begin{array}{c} 9 \\ 9 \\ 4 \\ 4 \\ 4 \end{array} $
$ \begin{array}{c} 6 & 2 \\ 5 & -2 & -2 \\ 7 & 3 \end{array} $ $ \begin{array}{c} 5 & 1 \\ 5 & -4 & -2 \\ 12 & 4 \end{array} $ $ \begin{array}{c} 8 \\ 3 & 2 \\ 9 & -3 & -2 \\ 9 & 10 \end{array} $ $ \begin{array}{c} 8 \\ 3 & 2 \\ 9 & -3 & -2 \\ 9 & 10 \end{array} $ $ \begin{array}{c} 9 \\ 9 \\ 4 \\ 4 \\ 4 \end{array} $
$ \begin{array}{c} 6 & 2 \\ 5 & -2 & -2 \\ 7 & 3 \end{array} $ $ \begin{array}{c} 5 & 1 \\ 5 & -4 & -2 \\ 12 & 4 \end{array} $ $ \begin{array}{c} 8 \\ 3 & 2 \\ 9 & -3 & -2 \\ 9 & 10 \end{array} $ $ \begin{array}{c} 8 \\ 3 & 2 \\ 9 & -3 & -2 \\ 9 & 10 \end{array} $ $ \begin{array}{c} 9 \\ 9 \\ 4 \\ 4 \\ 4 \end{array} $
5 2 - = 7 - 3 $5 4 - = 12 - 4$ $12 - 4$ $3 - 2 - = 7 - 12$ $8 - 3 - 2 - = 7 - 12$ $9 3 - = 9 - 10$ $9 - 10$ $9 - 4 - 4$
7 3 12 4 3. 4 11 3 2 $3 - 2 - =$ 7 12 $9 3 - =$ $9 - 3 - =$ 7 12 $93 - =$ $9 - 10$ $9 - 10$ 4 3 $4 - 4$ $4 - 4$
3. 8. $3 - 2 - =$ $3 - 2$ $7 - 12$ $9 - 3 - =$ $9 - 10$
$\begin{array}{c} 4 & 11 \\ 3 & -2 & -1 & -2 \\ 7 & 12 \\ \end{array} \qquad \qquad$
$\begin{array}{c} 4 & 11 \\ 3 & -2 & -1 & -2 \\ 7 & 12 \\ \end{array} \qquad \qquad$
$\begin{array}{c} 4 & 11 \\ 3 & -2 & - & = \\ 7 & 12 \\ \end{array} $ $\begin{array}{c} 3 & 2 \\ 9 & - & 3 & - & = \\ 9 & 10 \\ \end{array} $ $\begin{array}{c} 4 & 3 \\ \end{array} $ $\begin{array}{c} 9 \\ 9 \\ 4 \\ 4 \\ 4 \\ \end{array} $
7 12 9 10 4 3 9 10
4 3
4 3 4 4
4 3 4 4
4 3 4 4
10 5 10 11
5. 10.
5 1 5 2 8 1 = 5 2 =
$\begin{array}{c} 8 & & -1 & & = \\ 10 & 3 & & & 6 & 3 \end{array}$

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