

## 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 Proper Fraction From Improper Fraction with Unlike Denominator:

32 6 37 1		
$ \begin{array}{c}                                     $	1.	6.
9       4       11       8         2.       7.       28       1 $3$ 4       6       5         3.       4       6       5         3.       4       6       5         3.       11       7       6       5         3.       11       7       6       5         3.       11       7       6       5         3.       11       7       6       5         3.       11       7       6       5         4.       9.       37       1       6         32       6       37       1       6       2         11       12       8       2       1	11 3	106 6
2.       7. $8 \ 3$ $28 \ 1$ $3 \ 4$ $6 \ 5$ 3. $6 \ 5$ 11 \ 7 $7 \ 5$ $2 \ 11$ $57 \ 5$ $10 \ 8$ $8 \ 2$ $4 \ 32 \ 6$ $37 \ 1$ $11 \ 12$ $8 \ 2$ $5 \ 6 \ 2$ $6 \ 2 \ 4$ $10 \ 6 \ 2 \ 4$ $22 \ 4$		
$ \begin{array}{c} 8 & 3 \\ \hline 3 & 4 \end{array} $ $ \begin{array}{c} 28 & 1 \\ \hline \hline 6 & 5 \end{array} $ $ \begin{array}{c} 8. \\ 57 & 5 \\ \hline 7 & 2 & 11 \end{array} $ $ \begin{array}{c} 8. \\ 57 & 5 \\ \hline 10 & 8 \end{array} $ $ \begin{array}{c} 9. \\ 32 & 6 \\ \hline 11 & 12 \end{array} $ $ \begin{array}{c} 9. \\ 37 & 1 \\ \hline - & - = \\ 8 & 2 \end{array} $ $ \begin{array}{c} 10. \\ 6 & 2 \\ \hline \hline 10. \\ 22 & 4 \\ \hline 10. \\ 21 & 4 \\ \hline 10. \\ 22 & 4 \\ \hline 10. \\ 22 & 4 \\ \hline 10. \\ 21 & 4 \\ \hline 10. \\ 22 & 4 \\ \hline 10. \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 & 4 \\ \hline 10 & 1 \\ 21 $	9 4	11 8
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3       4       6       5         3.       1       7       57       5 $\frac{11}{2}$ 7       57       5 $\frac{11}{2}$ 10       8       8         4.       9.       37       1 $\frac{32}{11}$ $\frac{6}{11}$ $\frac{37}{1}$ $\frac{37}{1}$ $\frac{37}{1}$ $\frac{32}{11}$ $\frac{6}{11}$ $\frac{22}{12}$ $\frac{4}{11}$ $\frac{22}{11}$	8 3	
3.       8. $11  7$ $57  5$ $2  11$ $10  8$ 4.       9. $32  6$ $37  1$ $11  12$ $37  1$ 5.       10. $6  2$ $22  4$ $=$ $22  4$		
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$\begin{array}{c} 32 & 6 \\ \hline & & \\ 11 & 12 \end{array} \end{array} \qquad \begin{array}{c} 37 & 1 \\ \hline & & \\ 8 & 2 \end{array}$		
$\begin{array}{c} 32 & 6 \\ \hline & & \\ 11 & 12 \end{array} \end{array} \qquad \begin{array}{c} 37 & 1 \\ \hline & & \\ 8 & 2 \end{array}$		
=      =         11       12         5.       10.         6       2        =       22        =      =		
11     12     8     2       5.     10.       6     2     4      =    =		
6 2 = 22 4 =	5	10
=		
		=
		9 7

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