

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.).

Add and Subtract Proper Fractions with Unlike Denominator:

2. 7. $\frac{8}{1}$ $\frac{2}{2}$ 9 5 $3.$ 9 $\frac{9}{2}$ $\frac{2}{11}$ 11 12 $4.$ 9 6 2 $7.$ 11 6 2 $7.$ $10.$		
	1.	6.
10 5 11 10 2. 7. 2.6 7. $3.$ 2.6 7.8 7.8 3. 9.2 7.8 9.5 11.12 8. 3.4 4.9 $4.$ 9 9. 7.2 7.11 7.2 7.2 7.2 7.12 10.7 10.	6 2	8 6
10 5 11 10 2. 7. 2.6 7. $3.$ 2.6 7.8 7.8 3. 9.2 7.8 9.5 11.12 8. 3.4 4.9 $4.$ 9 9. 7.2 7.11 7.2 7.2 7.2 7.12 10.7 10.	+ =	=
$ \frac{8}{9} \frac{1}{5} = \frac{2}{7} \frac{6}{8} = \frac{2}{7} \frac{6}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{11} = \frac{9}{7} = \frac{9}{10} = \frac{9}{7} = \frac{9}{10} = \frac{7}{7} \frac{2}{10} = \frac{10}{7} = 10$	10 5	
$ \frac{8}{9} \frac{1}{5} = \frac{2}{7} \frac{6}{8} = \frac{2}{7} \frac{6}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{11} = \frac{9}{7} = \frac{9}{10} = \frac{9}{7} = \frac{9}{10} = \frac{7}{7} \frac{2}{10} = \frac{10}{7} = 10$		
$ \frac{8}{9} \frac{1}{5} = \frac{2}{7} \frac{6}{8} = \frac{2}{7} \frac{6}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{11} = \frac{9}{7} = \frac{9}{10} = \frac{9}{7} = \frac{9}{10} = \frac{7}{7} \frac{2}{10} = \frac{10}{7} = 10$		
$ \frac{8}{9} \frac{1}{5} = \frac{2}{7} \frac{6}{8} = \frac{2}{7} \frac{6}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{8} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{1} = \frac{3}{7} \frac{4}{11} = \frac{9}{7} = \frac{9}{10} = \frac{9}{7} = \frac{9}{10} = \frac{7}{7} \frac{2}{10} = \frac{10}{7} = 10$		
3. $8.$ $9 2$ 3.4 $11 12$ 3.4 $4.$ 9 $6 2$ $7 2$ $7 11$ $7 2$ $10.$ $7 2$	2.	7.
9 5 7 8 3. 9 2 $1 + 12$ 3 4 $1 + 12$ 9 9 4. 9 9 $6 - 2$ 7 11 $7 - 11$ 10. 10.	8 1	2 6
3. 8. $9 + 2$ $3 + 4$ $1 + 7 = 1$ $3 + 4$ $1 + 7 = 1$ $4 + 9$ 4. 9. $6 - 2$ $7 - 2$ $7 - 11$ $7 - 2$ 5. 10.	+ =	
$\begin{array}{c} 9 & 2 \\ \hline 11 & 12 \end{array} & \begin{array}{c} 3 & 4 \\ \hline + + - = \\ 4 & 9 \end{array} \end{array}$ $\begin{array}{c} 4. \\ 6 & 2 \\ \hline 7 & 11 \end{array} & \begin{array}{c} 9. \\ 7 & 2 \\ \hline 10 & 7 \end{array}$ $\begin{array}{c} 5. \end{array} & 10. \end{array}$	9 5	7 8
$\begin{array}{c} 9 & 2 \\ \hline 11 & 12 \end{array} & \begin{array}{c} 3 & 4 \\ \hline + + - = \\ 4 & 9 \end{array} \end{array}$ $\begin{array}{c} 4. \\ 6 & 2 \\ \hline 7 & 11 \end{array} & \begin{array}{c} 9. \\ 7 & 2 \\ \hline 10 & 7 \end{array}$ $\begin{array}{c} 5. \end{array} & 10. \end{array}$		
$\begin{array}{c} 9 & 2 \\ \hline 11 & 12 \end{array} & \begin{array}{c} 3 & 4 \\ \hline + + - = \\ 4 & 9 \end{array} \end{array}$ $\begin{array}{c} 4. \\ 6 & 2 \\ \hline 7 & 11 \end{array} & \begin{array}{c} 9. \\ 7 & 2 \\ \hline 10 & 7 \end{array}$ $\begin{array}{c} 5. \end{array} & 10. \end{array}$		
$\begin{array}{c} 9 & 2 \\ \hline 11 & 12 \end{array} & \begin{array}{c} 3 & 4 \\ \hline + + - = \\ 4 & 9 \end{array} \end{array}$ $\begin{array}{c} 4. \\ 6 & 2 \\ \hline 7 & 11 \end{array} & \begin{array}{c} 9. \\ 7 & 2 \\ \hline 10 & 7 \end{array}$ $\begin{array}{c} 5. \end{array} & 10. \end{array}$		
$11 \ 12$ $-++==$ $4 \ 9$ 9 $4.$ $9.$ $6 \ 2$ $7 \ 2$ $7 \ 11$ $7 \ 2$ $10 \ 7$ $7 \ 2$	3.	8.
11 12 4 9 4. 9 9 6 2 7 2 7 11 7 2 10 7 10 7	9 2	3 4
4. 9. 6 2 7 11 7 11 5. 10.	+ =	+ =
$ \frac{6}{7} \cdot \frac{2}{11} = \frac{7}{10} \cdot \frac{2}{7} = \frac{10}{7} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{10} \frac{10}{$	11 12	4 9
$ \frac{6}{7} \cdot \frac{2}{11} = \frac{7}{10} \cdot \frac{2}{7} = \frac{10}{7} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{10} \frac{10}{$		
$ \frac{6}{7} \cdot \frac{2}{11} = \frac{7}{10} \cdot \frac{2}{7} = \frac{10}{7} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{10} \frac{10}{$		
$ \frac{6}{7} \cdot \frac{2}{11} = \frac{7}{10} \cdot \frac{2}{7} = \frac{10}{7} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{7}{7} = \frac{2}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{7} = \frac{10}{10} \cdot \frac{10}{10} \frac{10}{$		
7 11 7 10 7 10 7 10	4.	9.
7 10 7 5. 10.	6 2	7 2
5. 10.	=	=
	7 11	10 7
6.2		
	5 1	6 3
=	= 6 2	
6 2 8 6	6 2	8 6

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