

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 improper and proper fractions with unlike denominator:

1. 6. $14 \ 2$ $21 \ 1$ $3 \ 11$ $11 \ 2$ 2. 7. $44 \ 4$ $14 \ 1$ $5 \ 6$ $14 \ 1$ $3 \ 11 \ 2$ $14 \ 1$ $3 \ 11 \ 2$ $14 \ 1$ $3 \ 11 \ 2$ $14 \ 1$ $3 \ 11 \ 2$ $14 \ 1$ $11 \ 4$ $14 \ 1$ $3 \ 10 \ 11 \ 10 \ 11$ $8 \ 29 \ 1 \ 4 \ 5$ 4. $9 \ 67 \ 2 \ -1 \ -1 \ 20 \ 10 \ 7$ 5. $10 \ 11 \ 7$ $10 \ 7 \ 2 \ -1 \ 10 \ 7$ 5. $10 \ 12 \ 22 \ 2 \ 12 \ 10 \ 12 \ 10 \ 12 \ 12$		
3 11 $11 2$ 2. 7. $44 4$ $14 1$ $5 6$ $11 4$ $3 .$ $14 1$ $5 6$ $11 4$ $3 .$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $11 4$ $14 1$ $14 1$ $14 1$ $11 4$ $29 1$ $11 4 5$ $10 7$ $10 7$ $10 7$ $10 7$ $10 7$	1.	6.
3 11 11 2	14 2	
2. 7. $44 \ 4$ 14 \ 1 $5 \ 6$ 11 \ 4 $3.$ 8. $19 \ 1$ 29 \ 1 $11 \ 8$ 4 \ 5 $4.$ 9. $67 \ 2$ $=$ $10 \ 11$ 10 \ 7 $5.$ $10.$ $37 \ 1$ $22 \ 2$		
$ \frac{44}{5} \cdot \frac{4}{5} = \frac{14}{5} \cdot \frac{1}{6} = \frac{14}{11} = \frac{1}{11} + \frac{1}{4} = \frac{1}{11} + $	3 11	
$ \frac{44}{5} \cdot \frac{4}{5} = \frac{14}{5} \cdot \frac{1}{6} = \frac{14}{11} = \frac{1}{11} + \frac{1}{4} = \frac{1}{11} + $		
$ \frac{44}{5} \cdot \frac{4}{5} = \frac{14}{5} \cdot \frac{1}{6} = \frac{14}{11} = \frac{1}{11} + \frac{1}{4} = \frac{1}{11} + $		
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3. 8. $19 \ 1$ $29 \ 1$ $11 \ 8$ $4 \ 5$ 4. 9. $67 \ 2$ $10 \ 11$ $67 \ 2$ $10 \ 11$ $10 \ 7$ $5.$ $10.$ $37 \ 1$ $22 \ 2$		
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$ \begin{array}{c} 19 & 1 \\ \hline 11 & 3 \\ \hline 11 & 8 \\ \hline 12 & 9 & 1 \\ \hline 4 & 5 \\ \hline 9 & 89 & 3 \\ \hline 67 & 2 \\ \hline 10 & 7 \\ \hline 10 & 22 & 2 \\ \hline 10 & 12 \\ \hline 10 & 22 & 2 \\ \hline 10 & 12 \\ \hline $		
$ \begin{array}{c} 19 & 1 \\ \hline 11 & 3 \\ \hline 11 & 8 \\ \hline 12 & 9 & 1 \\ \hline 4 & 5 \\ \hline 9 & 89 & 3 \\ \hline 67 & 2 \\ \hline 10 & 7 \\ \hline 10 & 22 & 2 \\ \hline 10 & 12 \\ \hline 10 & 22 & 2 \\ \hline 10 & 12 \\ \hline $	3	8
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	8 2	12 10

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