

Adding/Subtracting Mixed Numbers (6-4)

Adding & Subtracting Fractions	
Step 1	Find the <u>LCD</u> and rewrite the fractions.
Step 2 $2\frac{1}{3}$	Add/subtract the <u>fractions</u> then the <u>whole numbers</u> .
Step 3	<u>simplify</u> as needed.

Example 1: Add the fractions.

I Do	You Do
$3\frac{3}{14} + 12\frac{6}{7}$ $3\frac{3}{14} + 12\frac{12}{14}$ $15\frac{15}{14}$ $15 + 1\frac{1}{14}$ $\boxed{16\frac{1}{14}}$	$5\frac{4}{9} + 11\frac{4}{9}$ $5\frac{36}{45} + 11\frac{20}{45}$ $16\frac{56}{45}$ $16 + 1\frac{11}{45}$ $\boxed{17\frac{11}{45}}$

Example 2: Subtract the fractions.

I Do	You Do
$11\frac{8}{15} - 6\frac{1\cdot 3}{5\cdot 3}$ $11\frac{8}{15} - 6\frac{3}{15}$ $5\frac{5}{15} \div 5 = 5\frac{1}{3}$	<p>16, 32 (48)</p> $22\frac{11\cdot 4}{12\cdot 4} - 17\frac{3\cdot 3}{16\cdot 3}$ $22\frac{44}{48} - 17\frac{9}{48}$ $5\frac{35}{48}$

Example 3: Apply your knowledge of fractions.

I Do	You Do
<p>You go hiking on a trail that is $15\frac{7}{10}$ miles long. If you have already hiked $7\frac{1}{6}$ miles, how much further do you need to hike?</p>	<p>You spend $2\frac{3}{5}$ hours on math homework in a month. If you spend $4\frac{1}{6}$ hours on English homework in a month, how much time did you spend on homework for the whole month?</p>