Add and Subtract Mixed Numbers

Adding Mixed Numbers

To add mixed numbers:

STEP I Add the whole numbers.

STEP 2 Add the fractional parts

STEP 3 If the fractional part is an improper fraction, regroup (express it as a mixed number and add to the whole number).

$$5\frac{1}{4} \rightarrow 5\frac{3}{12} \\ + 2\frac{5}{12} \rightarrow + 2\frac{5}{12} \\ \hline 7\frac{8}{12} = 7\frac{2}{3}$$

Subtracting Mixed Numbers

To subtract mixed numbers:

STEP I You'll want to subtract fractional parts, so first get a common denominator. Furthermore, if the fraction you are subtracting is larger than the first fraction, you need to regroup one from the whole number, and then subtract.

STEP 2 Subtract the whole numbers.

STEP 3 Put the answer in lowest terms.