

Add and Subtract Unlike Mixed Numbers - Step-by-Step Lesson

Add or subtract the mixed numbers. Simplify your answer:

a. $4\frac{7}{3} + 8\frac{5}{9}$

b. $2\frac{7}{4} - 7\frac{3}{8}$

**Explanation:**

Remember to add whole numbers to whole numbers and fractions to fractions. The least common denominator of 3 and 9 is 9.

Write $4\frac{7}{3}$ with 9 as the denominator.

We have to simplify this equation and make fraction

$$4\frac{7}{3} = \frac{19}{3} = \frac{57}{9} = 6\frac{3}{9}$$

Now simplify.

$$6\frac{3}{9} + 8\frac{5}{9} =$$

We have Take L.C.M

$$6\frac{3}{9} + 8\frac{5}{9} = (6 + 8) \frac{3 + 5}{9} = 14\frac{8}{9}$$

This answer is in simplest form.



Name _____

Date _____

b. Subtract. Remember to subtract whole numbers from whole numbers and fractions to fractions.

The least common denominator of 4 and 8 is 8.

Write $2\frac{7}{4}$ with 8 as the denominator.

We have to simplify this equation and make fraction

$$2\frac{7}{4} = \frac{15}{4} = \frac{30}{8} = 3\frac{6}{8}$$

Now simplify.

$$3\frac{6}{8} + 7\frac{3}{8} =$$

We have take the Least Common Multiple (L.C.M)

$$3\frac{6}{8} + 7\frac{3}{8} = \frac{6+3}{8} = 10\frac{9}{8}$$

This answer is in simplest form.

