

How fully figure out a fraction

$= 5 \frac{3}{4} + 2 \frac{1}{3}$ ← (1/3 is a bit more than 1/4. That meant that $5 \frac{3}{4} + 2 \frac{1}{3}$ had to be a bit more than $5+2+ \frac{3}{4} + \frac{1}{4} = 8$. I estimated the answer would be 8)

$= \frac{23}{4} + \frac{7}{3}$ ← (I renamed the mixed numbers as improper fractions).

$= \frac{23 \times 3}{4 \times 3} + \frac{7 \times 4}{3 \times 4}$ ← (I use the common denominator of 12 to add the fractions. I changed the numerators so that the fractions would be equivalent and then, I added them.)

$$= \frac{69}{12} + \frac{28}{12}$$

$$= \frac{69+28}{12}$$
$$= \frac{97}{12}$$

$= 8 \frac{1}{12}$ ← (I renamed the improper fraction as a mixed number so that I could see the equation more clearly.)

Therefore, the answer to the fraction/equation is $8 \frac{1}{2}$.

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