G5-M3-Lesson 4

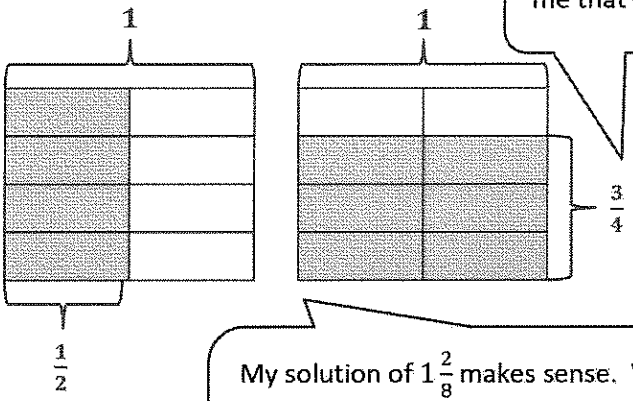
For the following problem, draw a picture using the rectangular fraction model, and write the answer. If possible, write your answer as a mixed number.

$\frac{1}{2}+\frac{3}{4}$

I need to make like units before adding.

My model shows me that $\frac{3}{4}=\frac{6}{8}$.

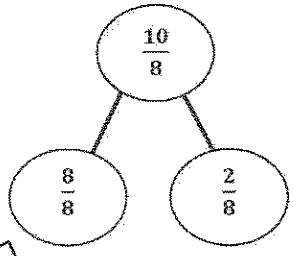
By partitioning 1 half into 4 equal parts, I can see that $\frac{1}{2}=\frac{4}{8}$.



My solution of $1\frac{2}{8}$ makes sense. When I look at the fraction models and think about adding them together, I can see that they would make 1 whole and 2 eighths when combined.

$\frac{1}{2}+\frac{3}{4}=\frac{4}{8}+\frac{6}{8}=\frac{10}{8}=1\frac{2}{8}$

I don't need to express my solution in simplest form, but if wanted to, I could show that $1\frac{2}{8}=1\frac{1}{4}$.



I can use a number bond to rename $\frac{10}{8}$ as a mixed number. This part-part-whole model shows that 10 eighths is composed of 8 eighths and 2 eighths.