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.

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

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

My solution of \( \frac{2}{8} \) 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.

\[
\frac{1}{2} + \frac{3}{4} = \frac{4}{8} + \frac{5}{8} = \frac{10}{8} = 1 \frac{2}{8}
\]

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

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.