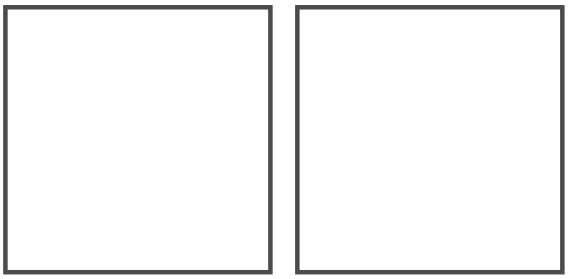
Name: _____ G5 U3 Lesson 8 - Let's Try It

Consider the expression $\frac{1}{5} + \frac{1}{3}$.

1. Model each addend.



2. Partition each area model to show like units. What unit do you have now? _____

3. Show how you can use multiplication to rewrite $\frac{1}{5}$ with like units.

$$\frac{1}{5} = \frac{1 \times \_\_\_}{5 \times \_\_\_} = \frac{\_\_\_}{\_\_\_}$$

4. Show how you can use multiplication to rewrite $\frac{1}{3}$ with like units.

$$\frac{1}{3} = \frac{1 \times \_\_\_}{3 \times \_\_\_} = \frac{\_\_\_}{\_\_\_}$$

5. How is the multiplication you did in #3 and #4 related to the area model you drew?

6. Determine the sum.

7. List at least two other common multiples of 3 and 5 that can be used to find like units.

8. Use multiplication and one of the common multiples to add $\frac{1}{5} + \frac{1}{3}$ a different way.

9. Is the sum from Question #8 equivalent to the sum from Question #6? Explain.

Consider the expression $\frac{3}{4} + \frac{1}{3}$.

10. List at least two common multiples you can use to make like units.

11. Use multiplication to write the expression using equivalent fractions with like units.

12. What is the sum as a fraction greater than 1? As a mixed number?

Consider the expression $\frac{2}{9} + \frac{1}{6}$.

13. Kyle wants to use the common multiple 18 to make like units. Trevor wants to use the common multiple 54 to make like units. Who do you agree with and why?