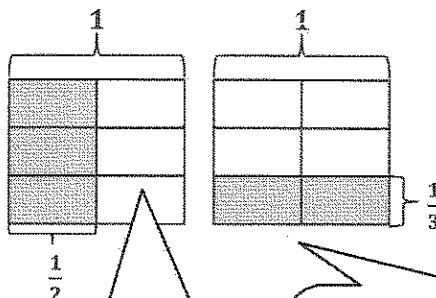## G5-M3-Lesson 3

Draw a rectangular fraction model to find the sum. Simplify your answer, if possible.

a. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

> First, I make 2 identical wholes. I shade $\frac{1}{2}$ vertically. In the other whole I can show $\frac{1}{3}$ by drawing 2 horizontal lines.

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

> I need to make like units in order to add. I partition the halves into sixths by drawing 2 horizontal lines.
>
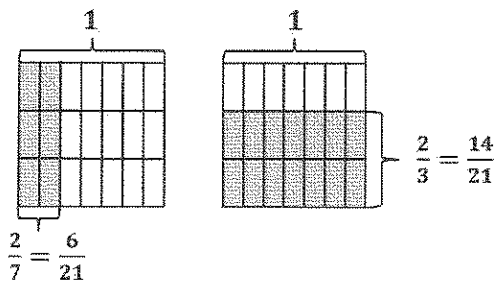> $\frac{1}{2} = \frac{3}{6}$

> I divide the thirds into sixths by drawing a vertical line. In both models, I have like units: sixths.
>
> $\frac{1}{3} = \frac{2}{6}$

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

b. $\frac{2}{7} + \frac{2}{3} = \frac{20}{21}$

> These addends are non-unit fractions because both have numerators greater than one.

$\frac{2}{7} = \frac{6}{21}$ $\frac{2}{3} = \frac{14}{21}$

$$\frac{2}{7} + \frac{2}{3} = \frac{6}{21} + \frac{14}{21} = \frac{20}{21}$$