

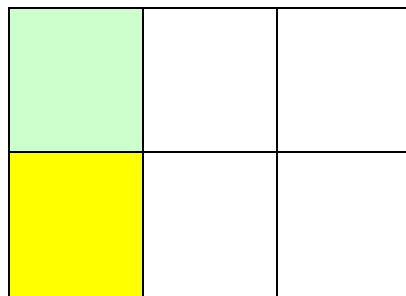
Multiplying Fractions

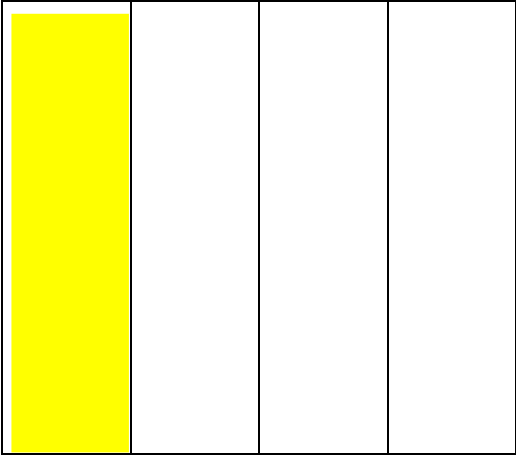
So here's what $\frac{1}{3}$ of a unit might look like.



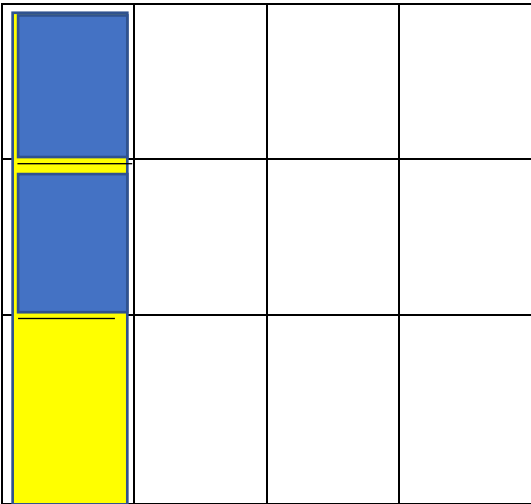
Now, what I will do is take $\frac{1}{2}$ of that $\frac{1}{3}$ and shade that green.

$$\frac{1}{2} \text{ of } \frac{1}{3} = \frac{1}{6}$$





$$\frac{2}{3} \text{ of } \frac{1}{4} = \frac{2}{12}$$



Algorithm for Multiplying Fractions

- 1. Make sure you have proper or improper fractions*
- 2. Cancel, if possible*
- 3. Multiply numerators*
- 4. Multiply denominators*
- 5. Simplify*