

Multiply Unit Fractions by Non-Unit Fractions

1. Solve each problem below using a rectangular fraction model:

A) $\frac{1}{2} \times \frac{2}{3}$

B) $\frac{1}{2} \times \frac{3}{4}$

C) $\frac{1}{3} \times \frac{2}{3}$

D) $\frac{1}{2} \times \frac{2}{5}$

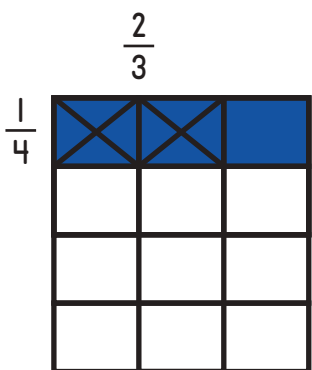
E) $\frac{1}{2} \times \frac{4}{5}$

F) $\frac{2}{3} \times \frac{1}{2}$

G) $\frac{1}{2} \times \frac{2}{2}$

H) $\frac{3}{4} \times \frac{1}{2}$

Example:



$\frac{1}{4}$ of $\frac{2}{3}$ equals $\frac{2}{12}$

$\frac{1}{4} \times \frac{2}{3} = \frac{2}{12}$

2. As you solve the problems look for patterns in order to generalize a procedure for multiplying unit fractions by non-unit fractions. Justify why the procedure works.