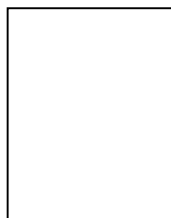


**Sec 3.3 – Multiplying Fractions****Part 1** - Draw an area model to find each product.

1)  $\frac{2}{3} \times \frac{4}{5}$



2)  $\frac{1}{2} \times \frac{3}{8}$



3)  $\frac{3}{5} \times \frac{4}{7}$



\* Look for a pattern and find a shortcut.

**SHORTCUT**

eg.  $\frac{5}{9} \times \frac{7}{8} =$

**Part 2** – Apply the shortcut to find each product.

1)  $\frac{3}{8} \times \frac{4}{5}$

2)  $\frac{3}{5} \times \frac{5}{9}$

3)  $\frac{2}{8} \times \frac{3}{6}$

\* What had to be done after you found each of the products above?

**EXTENSION:** Look back at the questions in Part 2. How could you have predicted that the answer would not be in lowest terms.

eg.  $\frac{5}{12} \times \frac{8}{15} =$

$\frac{8}{10} \times \frac{3}{5} =$

**Practice:**

1)  $\frac{3}{8} \times \frac{9}{8}$

2)  $\frac{2}{15} \times \frac{3}{10}$

3)  $\frac{6}{9} \times \frac{10}{25}$

4)  $\frac{4}{5} \times \frac{3}{6}$