Name: _____

Modelling Multiplication of Fractions:
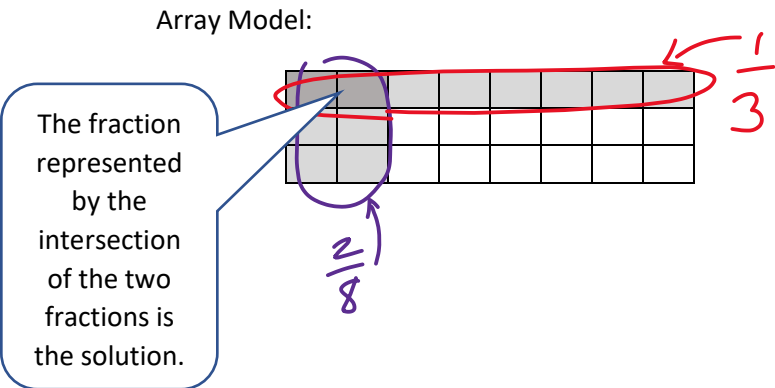
Solve these questions the quick way first, then make an array to see if your solution matches!

Example: Array Model:

$\frac{1}{3}$ x $\frac{2}{8}$ = $\frac{2}{24}$ (or $\frac{1}{12}$ if you simplify it)

The Solution? $\frac{2}{24}$ or $\frac{1}{12}$

The fraction represented by the intersection of the two fractions is the solution.

$\frac{1}{3}$

$\frac{2}{8}$

Now you try! First compute, then draw an array model to see if the solutions match.

$\frac{1}{2}$ X $\frac{3}{4}$	$\frac{3}{8}$ X $\frac{4}{5}$
$\frac{2}{3}$ X $\frac{6}{10}$	$\frac{5}{8}$ X $\frac{1}{5}$

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$\dfrac{5}{6}$ X $\dfrac{6}{8}$

$\dfrac{1}{3}$ X $\dfrac{5}{16}$

$\dfrac{3}{4}$ X $\dfrac{2}{9}$

$\dfrac{4}{6}$ X $\dfrac{2}{3}$

If the numbers are annoyingly large, you can simplify first

$\dfrac{1}{10}$ X $\dfrac{4}{12}$

$\dfrac{15}{20}$ X $\dfrac{50}{100}$