Multiplying Fractions by Fractions
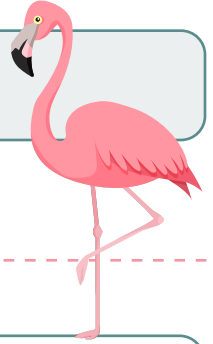
To multiply a fraction by a fraction, multiply the numerators, and then multiply the denominators. Let's try it!

Solve $\frac{2}{3} \times \frac{1}{4}$.

Multiply the numerators and multiply the denominators. Make sure your answer is in simplest form.

$$\frac{2}{3} \times \frac{1}{4} = \frac{2 \times 1}{3 \times 4} = \frac{2}{12} = \frac{1}{6}$$

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Try it yourself! Multiply. Show your work and write your final answer in simplest form.

$\frac{1}{4} \times \frac{1}{8} =$		$\frac{2}{3} \times \frac{1}{6} =$	
$\frac{1}{2} \times \frac{1}{5} =$		$\frac{5}{6} \times \frac{1}{8} =$	
$\frac{2}{9} \times \frac{1}{3} =$		$\frac{3}{4} \times \frac{1}{6} =$	
$\frac{5}{8} \times \frac{4}{5} =$		$\frac{2}{5} \times \frac{3}{10} =$	
$\frac{6}{7} \times \frac{2}{5} =$		$\frac{1}{4} \times \frac{7}{12} =$	
$\frac{7}{9} \times \frac{2}{3} =$		$\frac{4}{9} \times \frac{3}{7} =$	
$\frac{9}{10} \times \frac{5}{6} =$		$\frac{11}{12} \times \frac{2}{5} =$	