



# Fill In The Blanks...



## Multiplying Algebraic Fractions

Question	Write as a Single Fraction	Simplify Numerator and Denominator	Simplified Answer (where possible)
$\frac{x}{4} \times \frac{2x}{3}$	$\frac{x \times 2x}{4 \times 3}$	$\frac{2x^2}{12}$	$\frac{x^2}{6}$
$\frac{x}{6} \times \frac{4y}{5}$	$\frac{x \times 4y}{6 \times 5}$	$\frac{4xy}{30}$	
$\frac{2}{x} \times \frac{3xy}{5}$	$\frac{2 \times 3xy}{x \times 5}$		
$\frac{4x}{3y} \times \frac{2y}{x}$			
$\frac{2}{7x} \times \frac{3xy}{4}$			
$\frac{x^2}{8} \times \frac{4y}{x}$			
$\frac{2y}{x} \times \frac{9x^2y}{4}$			
$\frac{10y}{x^2} \times \frac{3xy^2}{5}$			
$\frac{4yz}{3} \times \frac{x^2}{6y^3}$			
$\frac{2x^3}{15yz} \times \frac{5x^2y^2}{z^3}$			
$\frac{\square}{5y^2} \times \frac{4x^2y}{\square}$	$\frac{\square}{5y^2} \times \frac{4x^2y}{\square}$	$\frac{24x^3y}{15y^2}$	
$\frac{12x}{5yz} \times \frac{\square}{\square}$			$\frac{6x^3y}{25z}$