

Fill in the Blanks

Add & Subtract Algebraic Fractions

Question	With a Common Denominator	Unsimplified Answer	Simplified Answer (where possible)
$\frac{x}{4} + \frac{7x}{20}$	$\frac{5x}{20} + \frac{7x}{20}$	$\frac{12x}{20}$	$\frac{3x}{5}$
$\frac{7x}{18} - \frac{2x}{9}$	$\frac{7x}{18} - \frac{4x}{18}$	$\frac{3x}{18}$	$\frac{x}{6}$
$\frac{2x}{3} + \frac{x}{4}$	$\frac{8x}{12} + \frac{3x}{12}$	$\frac{11x}{12}$	$\frac{11x}{12}$
$\frac{17x}{30} + \frac{x}{10}$	$\frac{17x}{30} + \frac{3x}{30}$	$\frac{20x}{30}$	$\frac{2x}{3}$
$\frac{x}{6} + \frac{11x}{24}$	$\frac{4x}{24} + \frac{11x}{24}$	$\frac{15x}{24}$	$\frac{5x}{8}$
$\frac{3x}{4} - \frac{7x}{36}$	$\frac{27x}{36} - \frac{7x}{36}$	$\frac{20x}{36}$	$\frac{5x}{9}$
$\frac{7}{2x} + \frac{3}{x}$	$\frac{7}{2x} + \frac{6}{2x}$	$\frac{13}{2x}$	$\frac{13}{2x}$
$\frac{6}{5x} - \frac{9}{20x}$	$\frac{24}{20x} - \frac{9}{20x}$	$\frac{15}{20x}$	$\frac{3}{4x}$
$\frac{5}{x} + \frac{2}{x^2}$	$\frac{5x}{x^2} + \frac{2}{x^2}$	$\frac{5x + 2}{x^2}$	$\frac{5x + 2}{x^2}$
$\frac{3}{xy} - \frac{1}{x}$	$\frac{3}{xy} - \frac{y}{xy}$	$\frac{3 - y}{xy}$	$\frac{3 - y}{xy}$
$\frac{7}{4x} + \frac{3}{2x^2}$	$\frac{7x}{4x^2} + \frac{6}{4x^2}$	$\frac{7x + 6}{4x^2}$	$\frac{7x + 6}{4x^2}$
$\frac{3}{10xy} - \frac{2}{x^2}$	$\frac{3x}{10x^2y} - \frac{20y}{10x^2y}$	$\frac{3x - 20y}{10x^2y}$	$\frac{3x - 20y}{10x^2y}$