ADDING AND SUBTRACTING ALGEBRAIC FRACTIONS

Like normal fractions, adding and subtracting algebraic fractions require they both have the same denominator.

examples

$$\frac{2x}{5} + \frac{4y}{5} = \frac{2x+4y}{5}$$

$$\frac{3x}{11} + \frac{5x}{11} = \frac{3x+5x}{11} = \frac{8x}{11}$$

$$\frac{4a}{3} + \frac{2a}{5} = \frac{5 \times 4a}{15} + \frac{3 \times 2a}{15} = \frac{20a}{15} + \frac{6a}{15} = \frac{26a}{15}$$