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We can get a common denominator by getting the same factors in both

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$$\frac{5x}{x^2 + 3x + 2} + \frac{3}{(x + 1)} =$$

We can get a common denominator by getting the same factors in both  
The second Rational has a factor of  $(x + 1)$

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Note: Factored form is useful, so we will leave the denominator as is.