

# Factorising Quadratics

**Factorising quadratics** is the opposite of expanding brackets. Most quadratic expressions require two brackets in the form  $(x + p)(x + q)$

 **Example**

Factorise  $x^2 + 2x - 15$

Factor pairs of 15 are 1 and 15  
3 and 5

We choose the factor pair 3 and 5 as these can be used to make 2 by addition or subtraction.

$$x^2 + 2x - 15 = (x + 5)(x - 3)$$