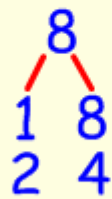


Factorising Quadratics

$$x^2 + 6x + 8$$

We need two numbers that multiply to give 8, and add to give 6



2 and 4 add to give 6,
that is $+2 +4$:

$$(x + 2)(x + 4)$$

Usually if there is only one sign
we only have one bracket

The exception is called the
difference of two squares

$$\text{Factorise: } x^2 - 9$$

These numbers are both
squared

The answer is $(x + 3)(x - 3)$

Expand this
and see what
happens

