# More Quadratics

### Prior Knowledge:

To solve quadratic equations by factorising.

### Activities:

### Aims:

To realise that if you can write an equation in the form then it’s easy to solve it.

### Activities:

Example from above:

Two different ways to solve

Solve the following equations

1. Instead of solving the previous equation, expand the brackets and simplify it.

Use parts 3 and 4 together to help you with 5…

### Aims:

To learn to write quadratics in this form and to know that it’s called completing the square

### Activities:

Class notes on how writing it the form with examples

Section A, with B as an extension.

### Aims:

To complete this process with odd coefficients of the variable

### Activities:

Class notes with examples

Section B

Extensions – section C and D

For future graphical links…

### Activities:

What is the smallest square number?

Sketching quadratics:

<https://teacher.desmos.com/activitybuilder/custom/59ea79524ee5460b371ec0f6>