

Stage 10 - Solving Equations and Inequalities III

WHAT DO WE ALREADY *know?*

THE
BIG
PICTURE

KEYWORDS

- Manipulate linear equations.
- Factorise a quadratic expression of the form $x^2 + bx + c$.
- Factorise a quadratic expression of the form $ax^2 + bx + c$.
- Make connections between a linear equation and a graph.

- Solve a quadratic equation.
- Make connections between graphs and quadratic equations.
- Find approximate solutions to quadratic equations using a graph.
- Solve problems that involve solving a quadratic equation in context.

- Quadratic equation
- Factorise
- Rearrange
- Variable
- Unknown
- Manipulate
- Solve
- Deduce
- x-intercept
- Root

Solving Equations and Inequalities III - Targets

	Before Topic	After Topic	Teacher Mark
Solve a quadratic equation of the form $x^2 + bx + c = 0$ by factorising.			
Solve a quadratic equation by rearranging and factorising.			
Make connections between graphs and quadratic equations of the form $ax^2 + bx + c = 0$.			
Make connections between graphs and quadratic equations of the form $ax^2 + bx + c = dx + e$			
Find approximate solutions to quadratic equations using a graph.			
Solve problems that involve solving a quadratic equation in context.			