

Understanding Maths is doing Maths!

## Algebra and Graphs

ExplainingMaths.com



Sequences, Finding the $n$ th-term
Quadratic sequences


Introducing the essential Algebraic Language


Graphing Functions, Linear, Parabolas, Cubic, Reciprocal, etc


Functions, Evaluate, Inverse and Composite Functions


Combining and Simplifying Algebraic Fractions Fractions


Simplifying
Expressions,
Collecting like terms


Solving Linear Equations, one step, multi-step


Solving Quadratic Equations, abcFormula, Factorising



How to Expand Brackets and simplify expressions

of 2 squares, etc


Laws of Indices, Exponents, Base,
Power, Index


Evaluating expressions by Substitution

distance/speed time, acceleration


Learn how to solve and graph
Inequalities


| Transforming |
| :---: |
| Formulae and |
| Changing the Subject |



Constructing Equations and Solving them


