

Brackets, Equations & Inequalities

Small Steps

- Form algebraic expressions
- Use directed number with algebra
- Multiply out a single bracket
- Factorise into a single bracket
- Expand multiple single brackets and simplify
- Expand a pair of binomials**
- Solve equations, including with brackets
- Form and solve equations with brackets
- Understand and solve simple inequalities

Brackets, Equations & Inequalities

Small Steps

- Form and solve inequalities
- Solve equations and inequalities with unknowns on both sides H
- Form and solve equations and inequalities with unknowns on both sides H
- Identify and use formulae, expressions, identities and equations

H denotes higher strand and not necessarily content for Higher Tier GCSE

Sequences

Small Steps

- Generate sequences given a rule in words
- Generate sequences given a simple algebraic rule
- Generate sequences given a complex algebraic rule
- Find the rule for the n^{th} term of a linear sequence**

H

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Indices

Small Steps

- ▶ Adding and subtracting expressions with indices
- ▶ Simplifying algebraic expressions by multiplying indices
- ▶ Simplifying algebraic expressions by dividing indices
- ▶ Using the addition law for indices
- ▶ Using the addition and subtraction law for indices
- ▶ **Exploring powers of powers**

H

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