

MATHEMATICS Y8 - TERM 2.1

I DEVELOP FLUENCY

- I can continue sequences and calculate terms using the n th term rule.
- I can simplify expressions by collecting like terms.
- I can expand single and multiple brackets accurately.
- I can factorise expressions using common numerical or algebraic factors.
- I can solve linear equations using correct balancing steps.

I REASON MATHEMATICALLY

- I can explain how a sequence grows and describe its term-to-term pattern.
- I can compare algebraic expressions to identify common structures.
- I can describe how expanding and factorising are inverse processes.
- I can justify each step when solving equations with unknowns on both sides.
- I can explain how area or perimeter expressions represent real situations.



I SOLVE PROBLEMS

- I can generate sequences from an n th term rule to solve problems.
- I can apply expanding and factorising in worded algebra contexts.
- I can form and solve equations from geometric information.
- I can solve equations with unknowns on both sides in practical scenarios.
- I can check solutions and correct errors in multi-step algebra tasks.

I INTERPRET MATHEMATICALLY

- I can use tables of values to support understanding of sequences.
- I can identify patterns and differences between algebraic forms.
- I can interpret diagrams that represent equations or expressions.
- I can compare multiple algebraic solutions to decide which is correct.
- I can recognise when an expression or equation does not fit a pattern.

- I READ**
- [Linear sequences - BBC Bitesize](#)
 - [Equations - KS3 Maths - BBC Bitesize](#)
 - [Expanding brackets - Algebraic expressions - Edexcel - GCSE Maths Revision - Edexcel - BBC Bitesize](#)
 - [Factorising - Algebraic expressions - Edexcel - GCSE Maths Revision - Edexcel - BBC Bitesize](#)

I LEARN

- Linear sequences & n th term
- Expanding & factorising
- Simplifying expressions
- Equations with unknowns both sides
- Forming equations from area/perimeter