

Stage 9

Sequences



WHAT DO WE ALREADY *know?*

- Generate a linear sequence from its nth term.
- Substitute positive numbers into quadratic sequences.
- Find the nth term for an increasing and decreasing linear sequence.



- Recognise and use Fibonacci type sequences
- Recognise and use quadratic type sequences

- Term
- Term to term rule
- Position to term rule
- nth term
- Generate
- Linear
- Quadratic
- First difference
- Second difference
- Fibonacci number
- Fibonacci sequence

Sequences- Targets

Before Topic	After Topic	Teacher Mark

Know how to identify and use sequences

Recognise, use and generate Fibonacci type sequences

Solve problems involving Fibonacci type sequences

Explore patterns and generate terms from a written rule involving quadratic sequences

Find the next terms of a quadratic sequence using the first and second differences

Spot the nth term of a simple quadratic sequence based on n^2

Generate terms of a quadratic sequence from its nth term.

Be able to work out the value of later terms and calculate when a sequence exceeds a particular value.

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Generate terms of a quadratic sequence from its n th term.			
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