

Stage 10

Sequences

KEYWORDS

WHAT DO WE ALREADY *know?*

- Find the n th term for an increasing and decreasing linear sequence.
- Identify quadratic sequences.
- Establish the first and second differences of a quadratic sequence
- Find the next 3 terms of a quadratic sequence

THE
BIG
PICTURE

- Recognise and use simple geometric sequences
- Deduce expressions to calculate the n th term of a quadratic sequence

- Term
- n th term
- Generate
- Quadratic
- First difference
- Second difference
- Geometric progression

Sequences- Targets

	Before Topic	After Topic	Teacher Mark
Find the n th term of a sequence of the form $ax^2 + b$			
Find the n th term of a sequence of the form $ax^2 + bx + c$			
Recognise and describe a simple geometric progression (of the form r^2)			
Find the next three terms, or a given term, in a geometric progression			