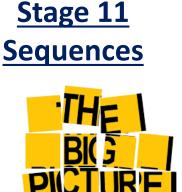# Stage 11
Sequences

- Understand the difference between an arithmetic, quadratic and geometric sequence.
- Recognise a simple geometric progression.
- Find the next three terms or a given term in a geometric progression
- Describe a geometric progression

THE BIG PICTURE

- Recognise and use simple geometric progressions and other sequences

KEYWORDS

- Term
- nth term
- First difference
- Second difference
- Geometric progression - "pertaining to geometry," shortened form of geometrical
- Surd - 1550s, "irrational" (of numbers), from Latin surdus "deaf, unheard, silent"

Sequences- Targets	Before Topic	After Topic	Teacher Mark
Recognise and use geometric progressions ar^n, when r is a fraction > 0			
Recognise and use geometric progressions ar^n, when r is a surd			
Solve problems involving geometric sequences			
Recognise and use non-standard sequences			