

Section 2: Arithmetic sequences and series

Crucial points

1. **Know the formulae**
Make sure that you know the formulae for the k th term of an arithmetic sequence and the sum of the terms of an arithmetic sequence. It's a good idea to make sure you can prove these formulae. This will help you to remember them. See the Notes and Examples.
2. **Think about whether your answers are reasonable**
It is always a good idea to think carefully about whether your answer is sensible – e.g. if d is negative, the k th term should be smaller than the first term.