Sequences and Series Checklist

Achievement

I can:

☐ Solve straightforward problems involving sequences.

Assessment will be based on problems which may require a selection from the following:

☐ Find general terms of an arithmetic sequence
☐ Find general terms of a geometric sequence
☐ Find partial sums of an arithmetic sequence
☐ Find partial sums of a geometric sequence
☐ Find sum to infinity of a geometric sequence
☐ Use S notation
☐ Use recursive formulae

Straightforward problems will involve recognising the type of sequence, selecting the method, and solving problems where 'a' and 'd' or 'r' are easily identified.

Merit

I can:

☐ Solve problems involving sequences.

Problems could require some manipulation to find 'a', 'd' or 'r'.

Applications may include:

☐ Radio-active decay
☐ % increase/decrease, such as compound interest
☐ Results of an experiment which form a sequence, e.g. pendulum.

Excellence

I can:

☐ Explore situations and interpret the results of problems involving sequences.

Situations and interpretations could include:
☐ Discussing long-term effects
☐ Comparing sequences