

Lionel wrote an arithmetic sequence. The first five terms of the sequence are shown below.

$$3, 10, 17, 24, 31, \dots$$

- What is the next term of Lionel's sequence? Show or explain how you got your answer.
- Write an expression that can be used to find the n th term of Lionel's sequence.

Bella also wrote an arithmetic sequence. Each term of Bella's sequence is equal to three times the corresponding term of Lionel's sequence.

- Write an expression that can be used to find the m th term of Bella's sequence.
- What is the 20th term of Bella's sequence? Show or explain how you got your answer.