Getting started
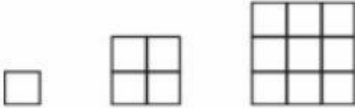
1   A sequence starts at 16.

    3 is subtracted each time.

    What is the first number in the sequence that is less than zero?

2   Here is a number sequence. It continues in the same way.

    516, 616, 716, 816, ...

    a   What is the term-to-term rule for continuing the sequence?

    b   What are the next two terms in the sequence?

3   a   Draw the next term in this sequence.

    b   What is the mathematical name for these numbers?

4   Find a 2-digit number that satisfies all these rules:

    •   It is a multiple of 3.

    •   It is a multiple of 4.

    •   It ends in 6.