

Year 7 Homework: Set 1, 2 and 3

1 Look at the following sequence of numbers:

2, 7, 11, 15, _____, _____, _____

- Copy the sequence out putting in the missing numbers.
- What is the closed form or nth term for this sequence?
- What would the 235th number in the sequence be?
- Is 673 in this sequence?

2 Look at the following sequence of numbers:

81, 75, 69, 63, _____, _____, _____

- Copy the sequence out putting in the missing numbers.
- What is the closed form or nth term for this sequence?
- What would the 121st number in the sequence be?
- Is 938 in this sequence?

3 Look at the following linear sequence of numbers:

27, _____, 49, _____, _____, _____, _____

- Copy the sequence out putting in the missing numbers.
- What is the closed form or nth term for this sequence?
- What would the 121st number in the sequence be?
- Is 938 in this sequence?

4 The ninth number in a linear sequence is 60 and the twelfth number 93.

- What is the closed form or nth term for this sequence?
- What would the 698th number in the sequence be?
- Is 2017 in this sequence?