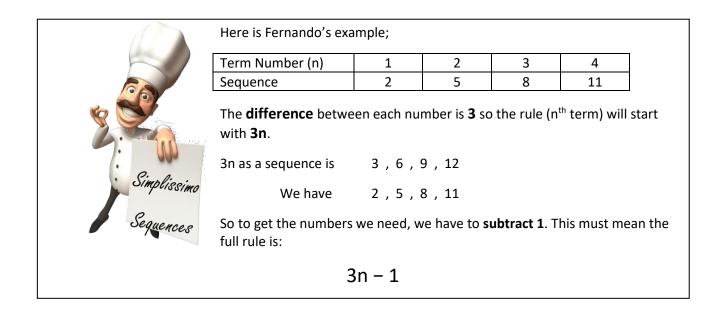
Gold WILF : to find the nth term of a number sequence and apply this to find given terms.





For each of the following sequences;

- a) work out the next 3 terms,
- b) work out the nth term,
- c) use the nth term rule to work out the 20th term.
- 3, 5, 7, 9, 11, 13, 15, 2n + 1, 41
 7, 11, 15, 19, 23, 27, 31, 4n + 3, 83
- 5) 1, 5, 9, 13, 17, 21, 25, 4n 3, 77
 7) 2, 7, 12, 17, 22, 27, 32, 5n 3, 97
 9) 7, 5, 3, 1, -1, -3, -5, -2n + 9, -31
- 2) 9, 12, 15, 18, 21, 24, 27, 3n + 6, 66
- 4) 10, 16, 22, 28, 34, 40, 46, 6n + 4, 124
- 6) 4, 11, 18, 25, <mark>32, 39, 46, 7n 3, 13</mark>7
- 8) 4, 9, 14, 19, 24, 29, 34, 5n 1, 99
 - 10) 16, 13, 10, 7, 4, 1, -2, -3n + 19, -41

Write down the first **five terms** of the sequence with the following nth terms:

11) 3n + 6 9, 12, 15, 18, 21	12) 2n – 3 - <mark>1, 1, 3, 5,</mark> 7
13) –2n + 1 –1, -3, -5, -7, -9	14) -5n + 12 7, 2, -3, -8, -13