Skill Set 14 – Constant difference (Patterns)

Sequence number	Value
1	3
2	5
3	7
4	9
5	11
6	13
7	15

(i): Find the value for Sequence number 10

(ii): In which sequence number will the value be 101?

(i): There is a constant difference of 2 for the value of each succeeding Sequence number,

10 – 7 = 3

Value of Sequence number 10 = 15 + 2 x 3 = **21**

(ii): 101 – 3 = 98

98 ÷ 2 = 49

49 + 1 = **50** (**Since the value of each succeeding sequence number increases by 2.**)

101 corresponds to Sequence number **50**.