SEQUENCE

Complete each sequence below.

2, _____, 6,_____, 10, _____, _____, 16, _____, 18, _____.

1,   3, _____, 7,   9, _____, 13, _____, 17, _____.
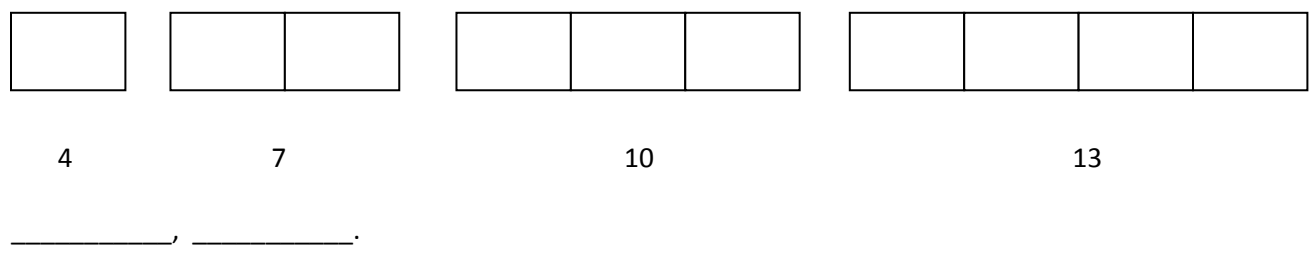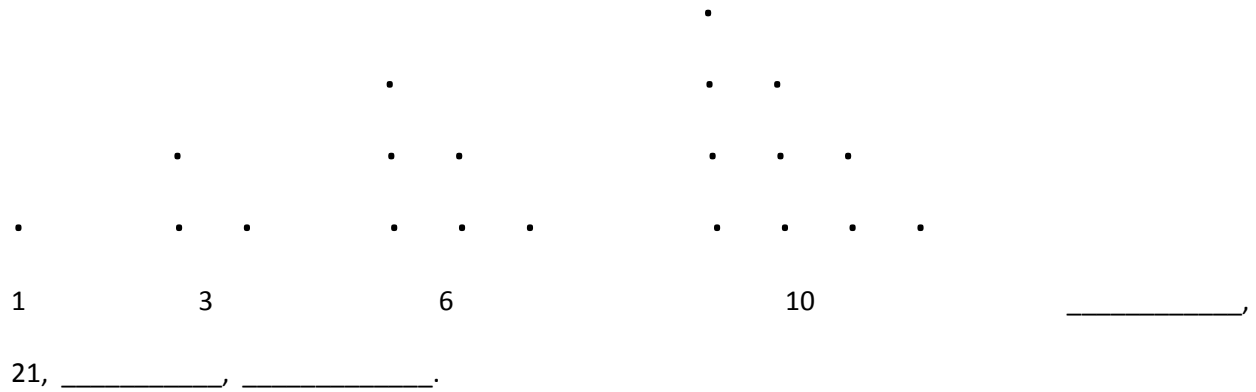
3,   5,   7, _____, 11, _____, _____ , 17, _____ , _____.

_____, _____, 9, _____, 15,   18, _____, _____.

_____, 20, _____, 40,   50, _____, _____.

_____, 200, _____, 400, _____, _____.

1   3   6   10   _____,

21, _____, _____.

    4   7   10   13

_____, _____.

1,   4, _____, 16,   25, _____, _____, 64, _____.

1,   5,   14, _____, 55,   91, _____, _____.

Hint: Get the last sequence by doing something to the one before it.

The general formula for the last sequence is $\frac{n(n+1)(2n+1)}{6}$. Check if this gives you the correct answer.