Name: _____

Date: _____

Problem Sum Worksheet

Topic : Number Pattern

Video Solution: https://www.omyclassroom.com/number-pattern-56.html

Qn 1 (Difficulty: High)

Howard used grey and white squares to make figures that form a pattern.

Figure 1 Figure 2 Figure 3
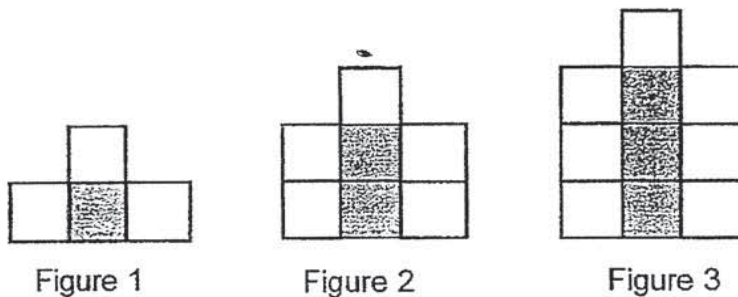
Figure	Number of grey squares	Number of white squares	Total number of squares
1	1	3	4
2	2	5	7
3	3	7	10
4	_____	9	_____

[1]

(a) Fill in the missing numbers in the table above.

(b) Find the total number of squares in Figure 11.

(c) A figure number had 52 squares altogether. How many white squares were there in this figure number?

Qn 2 (Difficulty: Low)

2

The first 14 numbers of a pattern with numbers 1, 3, 7 and 8 are shown below.

1, 3, 7, 8, 1, 3, 7, 8, 1, 3, 7, 8, 1, 3, …….

What is the sum of the first 312 numbers?