

Name :

Teacher :

Official Homework Linear Patterns
Created by Mr Lafferty
St. Ninian's High School

This homework covers topics

Score

Basic Number Operations

Context Linear Pattern

19

Square and Triangular Numbers

Context Linear Pattern

Linear Patterns

Teacher Comments :

Pupil's Comment :

1. Carry out the following instructions. (NON - CALCULATOR QUESTION)

(a) $941.3 - 483.8$



Working :

(b) 18.7×60



Working :

(c) $623 \div 7$



Working :

(d) $\frac{8}{9}$ of 648



Working :

(5 marks)

Q2. Find the :-

(a) 15th triangular number.



(b) 15th square number.



(2 marks)

Q3. (a) Complete the table of van hire charges.

No. of days (D)	1	2	3	4	5	6		13
No. of £ (C)	10	16	22					

(b) Write a formula using symbols

(c) Calculate the cost of hiring a van for 39 days. £

Working :

(6 marks)

Q4. A metal fence for a garden is made by joining iron bars together.
The table shows the link between the number of sections and the number of iron bars.

No. of sections (S)	1	2	3	4	5	6		12
No. of Iron Bars (B)	8	12	16					

(a) Complete the table above.

(b) Write a formula using symbols

(c) A fence is made up by joining 140 iron bars. How many sections are in this fence. sections

(6 marks)

Total marks 19