

Name :

Teacher :

S1 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) $816.4 - 381.6$

Working :

(b) 19.2×80

Working :

(c) $468.8 \div 8$

Working :

(d) $\frac{6}{7}$ of 336

Working :

(5 marks)

Q2. Find the :-

(a) 5th triangular number.

(a) 16th square number.

(2 marks)

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

No. of days (D)	1	2	3	4	5	6		12
No. of £ (C)	13	20	27					

(b) Write a formula using symbols

(c) Calculate the cost of hiring a van for 34 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		19
No. of Iron Bars (B)	5	9	13					

(a) Complete the table above.

(b) Write a formula using symbols

(c) A fence is made up by joining 177 iron bars. How many sections are in this fence.

(6 marks)

Total marks 19
