Name :

Teacher :

General Official Homework 4

Created by Mr Lafferty
St. Ninian's High School

This homework covers topics

Score

Basic Number Operations ☐

Algebraic Brackets ☐

20

Distance Speed Time ☐

Mean from Frequency Table ☐

Negative Numbers ☐

Percentages & Money ☐

Teacher Comments :

Pupil's Comment :

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

    (a)   931.3   -   341.8

    Working :

    (b)   45.7   x   40

    Working :

    (c)   440.3   ÷   7

    Working :

    (d)   30   % of   51

    Working :

    (5 marks)

2. Michael drives from Dumfries to Manchester.

    A   7.6   mile part of his journey is affected by roadworks.

    It takes him   24   minutes to drive this part of his journey.

    Calculate his average speed for this part of his journey.

    Give your answer in miles per hour.

    (3 marks)

    Working :

3. In July the average temperature in Anchorage, Alaska is   11 ^{o}C (2 marks)
    By January the average temperature has fallen by   34 ^{o}C
    What is the average temperature in
    Anchorage in January?

    Working :

4. Simplify

6 (q + 6) + 8 (7 - 5 q)

Working :

(3 marks)

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5. Last week Lewis asked   56 students to record how many hours they spent doing homework.

The results are shown below.

Homework hours	Frequency	Homework hours x frequency
1	8	
2	6	
3	19	
4	12	
5	4	
6	2	
7	5	
Totals =	56	

Complete the above table and find the **mean** time spent on homework last week.

Working :

Round your answer to 1 decimal place.

(4 marks)

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6. Nicole has   £8,700 in her Clydeside Bank account.

Clydeside Bank pays interest at   1.2   % per annum.

Highland Bank pays interest at   2.2   % per annum.

How much more money would Nicole get in interest if she moved her   £8,700   to the Highland Bank for one year?

Working :

(3 marks)

Total marks 20