Name :

Teacher :

General Official Homework 12

Created by Mr Lafferty
St. Ninian's High School

This homework covers topics   Score

Basic Number Operations	☐	Algebraic Equations	☐	22
Money & Percentages	☐	Perimeter & Area	☐	
Money	☐	Trigonometry	☐	

Teacher Comments :

Pupil's Comment :

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

(a)   859.8   -   546.2

Working :

(b)   24.8   x   70

Working :

(c)   340.2   ÷   7

Working :

(d) $5 \times \dfrac{5}{6}$

Working :

(5 marks)

2. Maura invests   £2,210   in the Platinum Saver Account which pays   7.8% interest per annum.

How much simple interest will she receive after   7   months?

Round your answer to the nearest pence.

Platinum Saver Account
Interest Rate
7.8%

(3 marks)

Working :

3. Mr Lafferty is a bricklayer. He builds a wall using   8000   bricks: (3 marks)
   • a charge of   £180 is made for every 500 bricks he lays.
   • each brick costs 24 pence

Working :

What is the total cost of building the wall?

4. Solve algebraically the equation.

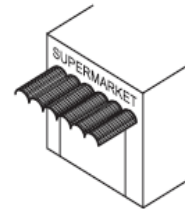   6 w - 2 = 3 w   + 25

    Working :

    (3 marks)

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5. A supermarket has a canopy over its entrance.

   The edge of the canopy has 6 semicircles as shown below.

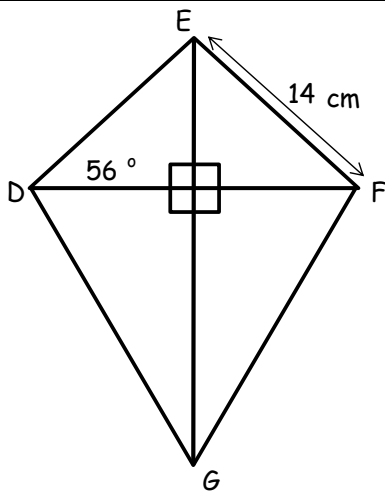   Each semicircle has a diameter of 6 metres.

   Find the length of the curved edge of canopy
   Round answer to 1 decimal place.

   Working :

   (4 marks)

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6. DEFG is a kite:

   E

   • angle EDF =   56 °
   • EF =   14 centimetres.

   14 cm

   56 °

   D   F

   Working :

   G

   Calculate the length of DF to 1 decimal place.

   (4 marks)

   Total marks 22