$\qquad$ Class: $\qquad$

| Question | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mark |  |  |  |  |  |  |  |  |  |  |  |

## Instructions to Candidates

- Answer ALL questions.
- This paper carries a total of 20 marks.
- Calculators and protractors are not allowed.

1. a) Write in figures:

Thirty five thousand, seven hundred and ninety-one
b) Write the next term:

$$
12,15,19,24,30,
$$

$\qquad$
2. Match correctly as in the example.
a) Double 14
b) A square number
c) A prime number
d) A cube number
e) A multiple of 13

3. a) Arrange in order smallest first:

$$
\begin{array}{lll}
38.09 & 38.9 & 3.809
\end{array}
$$

b) Work out:

$$
(3 \cdot 5+3 \cdot 5) \times 2=
$$

$\qquad$
4. Fill in: a) $3921 \mathrm{~cm}=$ $\qquad$ m
b) $3.6 \mathrm{~kg}=\quad \mathrm{g}$
5. Give a rough estimate for $78 \times 18$.
6. Complete the function machine.

7. Work out the value of $\mathbf{c}$.

8. Each cube in the figure is $1 \mathrm{~cm}^{3}$.

Find the volume of the solid.

$\qquad$ $\mathrm{cm}^{3}$
9. A bus can carry a total of 45 passengers. Only $\frac{2}{5}$ of the bus is full. How many passengers are on the bus?

10. There are 493 students in a school.

Each class is made up of 29 students.
How many classes are there in the school?

## End of Paper

Question \begin{tabular}{|l|l|l|l|l|l|l|l|l|l|l|l|l||l|l||l|}

\hline 1 \& 2 \& 3 \& 4 \& 5 \& 6 \& 7 \& 8 \& 9 \& 10 \& 11 \& 12 \& 13 \& | Total |
| :--- |
| Main | \& | Non |
| :--- |
| Calc | \& | Global |
| :--- |
| Mark | <br>

\hline \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline
\end{tabular}

DO NOT WRITE ABOVE THIS LINE

Name $\qquad$ Class $\qquad$

- Answer all questions.
- This paper carries 80 marks.
- Calculators and mathematical instruments are allowed but all necessary working must be shown.

1. a) Jody bought the following items from "Acqua Super Store". Work out how much Jody has to pay.

b) Jody is paying by cheque. Fill in the cheque for her.

| CBGCentral Bank of Gozo | Date___ or order |
| :--- | :---: |
| Pay Acqua Super Store |  |
|  | $€$ |
|  | Jody Attard |
| 000814 в8 0561 1035752330081 |  |

2. The calculator shows the result of a calculation.
a) Write the result
i) correct to 1 d.p. $\qquad$ .
ii) correct to the nearest 10 . $\qquad$ .
b) The value of 5 in the result is $\qquad$ .
C) 8531.164 in standard form is $\qquad$ .
3. One square in the diagram is chosen at random. Work out the probability of choosing:
a) a grey square. $\qquad$
b) a black square. $\qquad$
c) a white square. $\qquad$

(4 marks)
4. a) Use your protractor to measure the angle marked $f$.


0
$f=$ $\qquad$
b) Triangle FGH is isosceles.

Without using your protractor, work out the values of angles $h$ and $k$.

$$
h=
$$

$\qquad$ $k=$ $\qquad$
$\qquad$
5. The table and the graph show the number of soft drinks sola week at a school Tuck Shop.

| Day | Soft Drinks <br> sold |
| :---: | :---: |
| Monday | 300 |
| Tuesday | 250 |
| Wednesday | 150 |
| Thursday |  |
| Friday | 350 |
| Total | 1350 |

Sales of Soft Drinks at the Tuck Shop

a) Complete the table.
b) Complete the bar graph.
c) Fill in:

The two days with an equal number of sales are $\qquad$ and $\qquad$ .
d) What fraction of the soft drinks sold during the whole week were sold on Wednesday? Give your answer in its simplest form.
(5 marks)
6. a) Plot the following points on the graph:
$(-2,-6)$
$(2,6)$
$(3,9)$
b) Use pencil and ruler to join the points.
c) Complete the straight line equation:

$$
y=\ldots x
$$

d) Use the graph to fill in:
i) When $x=0, y=$ $\qquad$
ii) When $y=-3, x=$ $\qquad$ .

7. The diagram shows a plan of a village.

a) Use compass directions to fill in (the first one is done for you).
i) The Garden is $\qquad$ North of Home.
ii) The Pharmacy is $\qquad$ of the Market.
iii) The Library is $\qquad$ of the Cinema.
b) i) Louis is at Home. He walks $\mathbf{5 0 0} \mathbf{~ m}$ west and $\mathbf{5 0 0} \mathbf{~ m}$ south.

He is now at the $\qquad$ .
ii) Judith is at the Market. She walks 1000 m south and 1000 m east.

She is now at the $\qquad$ .
8. In 5 games a basketball team scored the following points:
9176
91
88
64

Work out:
a) the mode
b) the median
C) the mean
9. a) Change
i) $16: 37$ into 12 -hour time
ii) 5.45 a.m. into 24 -hour time
$\qquad$
$\qquad$
b) Look at the calendar for February 2010.

## FEBRUARY 2010

| Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |

Use the calendar to answer these questions:
i) Is February 2010 a leap year? $\qquad$ (Yes/No)
ii) How many weeks are there in February 2010? $\qquad$
iii) What day is $31^{\text {st }}$ January 2010? $\qquad$
10. a) Draw a circle centre $O$, having a radius 3.5 cm .

In the circle construct and label a regular hexagon $A B C D E F$ to touch the circumference.
Join $A O$ and $O B$.
b) Fill in:
i) Triangle $O A B$ is $\qquad$ .
(right-angled, scalene, isosceles, equilateral)
ii) The hexagon $A B C D E F$ has $\qquad$ lines of symmetry.
11.a) Use the grid.
i) Shape $B$ is a translation of shape $A 5$ units right and 6 units $\mathbf{U}$ Draw and label shape B.

ii) Shape $C$ is a reflection of shape $B$ in the $y$-axis.

Draw and label shape C.
b) Draw an enlargement with a scale factor 3 of shape $X$.

(7 marks)
12. a) Simplify:

$$
8 x+3 y-5 x-5 y
$$

b) If $a=3$ and $b=-2$ find the value of $9 a+5 b$
C) Look at the diagram.

All the boxes have the same weight ( $x \mathrm{~kg}$ ).
Find the weight of one box.

13. a) The Shop "Sports Mania" is selling hockey shirts.

16 hockey shirts cost $€ 732$.
Find: i) the cost of 1 hockey shirt.

## $€$

$\qquad$
ii) the cost of 12 hockey shirts.

$$
€
$$

$\qquad$
b) On the internet 12 such hockey shirts cost US $\$ 783$, including shipment. The rate of exchange is $€ 1=$ US $\$ 1.45$.
How much, in euro, do I have to pay if I buy 12 shirts over the internet?

## $€$

$\qquad$
c) Fill in:

It is better to buy the shirts from $\qquad$
(Sports Mania, Internet)
because I save € $\qquad$ .

