$\qquad$
$\qquad$

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

## Instructions to Candidates

- Answer all questions. There are 10 questions to answer.
- This paper carries a total of 25 marks.
- Calculators and protractors are not allowed.

1. (a) $1000+300+50$

Ans $\qquad$
(b) Work out:

$$
958-637
$$

Ans $\qquad$
2. (a) Write the missing temperature on this thermometer.

(b) Complete:
$1,3,5,7$, $\qquad$ .
$\qquad$
$\qquad$
3. (a) A packet of crisps weighs 16 grams.

Work out the weight of 100 packets of crisps.

Ans
(b) Work out:
$\frac{1}{4}$ of $€ 128$
Ans $€$ $\qquad$
(3 marks)
4. Which of the following is the net of a cube?
(a)

(b)

(c)

(d)


Ans $\qquad$
5. (a) Simplify: $3 a+b+4 a+4 b$

Ans
(b) Solve the equation: $5+x=30$

$$
\operatorname{Ans} x=
$$

$\qquad$
(2 marks)
6. Complete the following number machine.

7. (a) Work out:
$4 \times 2+(8-6)$

Ans $\qquad$
(b) Which of the following is the bestestimate of $98 \cdot 7-21 \cdot 3$ ?
70
80
110
120

Ans $\qquad$
8. (a) Plot and join the points $A(1,3), B(-1,-2)$.
(b) Mark a third point C to form an isosceles triangle ABC .

(c) Write down the coordinates of point C.

Ans( , )
9. The probability that the spinner will show an odd number is:
(a) impossible (b) unlikely (c) even chance (d) likely (e) certain


Ans $\qquad$
10. Fill in the boxes to help you work out:

$$
192 \div 6
$$



Ans $\qquad$

$\left.$| Question | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Total <br> Main | Non <br> Calculator |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | | Global |
| :--- |
| Mark | \right\rvert\,

DO NOT WRITE ABOVE THIS LINE

Name: $\qquad$ Class: $\qquad$

- Answer all questions.
- This paper carries 75 marks.
- Calculators and mathematical instruments are allowed but all necessary working must be shown.

1. (a) Which of these numbers are prime?
3
4
6
7
9

Ans $\qquad$
(b) Write the number four hundred a nd six in figures.

Ans $\qquad$
(c) What fraction of the shape is shaded?

(4 marks)
2. (a) Colour this string of beads so that the ratio of black : white =1:4
$\bigcirc \bigcirc$



(b) Richard walks 8 km in 2 hours.
(i) How far will Richard walk in 1 hour?

Ans $\qquad$ km
(ii) How far will Richard walk in 4 hours?

Ans $\qquad$ km
3. A rectangle is divided into 10 equal squares.

(a) Leonard shades 3 squares. What percentage is this?

Ans $\qquad$ \%
(b) Stephanie has a similar rectangle. She shades $20 \%$.
(i) How many squares is this?
$\qquad$ squares
(ii) How many squares are not shaded?

Ans $\qquad$ squares
(iii) What fraction of the rectangle is not shaded?


Name: $\qquad$ Class: $\qquad$
4. Fill in the blanks with these numbers. You may use a number more than once.
2
5
7
8
9
30
(a) $\qquad$ , $\qquad$ and $\qquad$ are even numbers.
(b) $\qquad$ is the cube of 2 .
(c) $\qquad$ is a factor of 21 .
(d) $\qquad$ $\times$ $\qquad$ $=45$.
(e) $\qquad$ is a multiple of 6 .
(f) $\qquad$ $+$ $\qquad$ - $\qquad$ $=10$.
5.

(a) Draw the lines of symmetry of the mombus.
(b) Translate the kite 7 left and 3 up.
(c) Underline the correct answer.

The transformation from one right-angled triangle to the other is a:

## Reflection

Rotation

Ans $\qquad$
(5 marks)
6. (a) Write in order, the smallest first
$2 \cdot 6,2.06,20 \cdot 6,20.06$
(b) Work out:
$\frac{5}{8}+\frac{1}{8}-\frac{3}{8}$

(c) (i) Use your calculator to work out:
$17 \cdot 9 \times 2 \cdot 4$
Ans $\qquad$
(ii) Now write your answer correct to the nearest whole number.

Ans $\qquad$
(6 marks)
7. (a) Complete:
(i) 3.4 litres $=3.4 \times$ $\qquad$ $=$ $\qquad$
(ii) $425 \mathrm{~cm}=425 \div$ $\qquad$ = $\qquad$ m
(b)

(i) What is the length marked $x \mathrm{~cm}$ ?

$$
\text { Ans } x=
$$

$\qquad$ cm
(ii) What is the length marked $y \mathrm{~cm}$ ?

Ans $y=$ $\qquad$ cm
(iii) Work out the perimeter of the whole shape.

Ans $\qquad$ cm
(iv) Complete:

Area of $A=$ $\qquad$ $\times$ $\qquad$ $=$ $\qquad$ $\mathrm{cm}^{2}$

Area of $B=$ $\qquad$ $\times$ $\qquad$ $=$ $\qquad$ $\mathrm{cm}^{2}$

Total Area = $\qquad$ $\mathrm{cm}^{2}$
8. (a) Draw the hands on the clock to show 5.15 pm.

(b) Write the time 5.15 pm as seen on a $\mathbf{2 4}$-hour clock.
$\qquad$
(c) A football match starts at 5.15 pm .

It takes 1 hour 45 minutes to finish.
At what time does it finish?
$\qquad$
9. (a)


Work out the size of the angle marked $a$.

Ans $a=$ $\qquad$
(b)


Write down the size of the angle marked $b$.

Ans $b=$ $\qquad$
(c) Underline the two comectwords.

The shapes above are:
rectangle, rhombus, isosceles triangle, kite, parallelogram.
10. Fill in the squares with the following words:

North, South, East, West, North West, South West, South East.

11. Work out the volume of the cuboid.


Ans $\qquad$ $\mathrm{cm}^{3}$
12. The following are the favourite subjects of a group of 30 students.

| PE | History | Science | Maths | Maths |
| :--- | :--- | :--- | :--- | :--- |
| Maths | English | Science | PE | Maths |
| PE | PE | English | Science | History |
| Maths | PE | Science | History | Maltese |
| History | Maltese | Science | PE | PE |
| PE | PE | English | Science | PE |

(a) Complete the following frequency table and barchart

| Subject | Tally | Frequency |
| :---: | :---: | :---: |
| Maths |  |  |
| PE | $\boldsymbol{\psi} \boldsymbol{\psi} \boldsymbol{\psi}$ | 10 |
| English |  |  |
| History |  |  |
| Science |  |  |
| Maltese |  |  |
| Total |  |  |


(b) (i) Which subject is the mode?

Ans $\qquad$
(ii) Which is the least favourite subject?
$\qquad$

