FORM 1  MATHEMATICS  TIME: 30 minutes
Non Calculator Paper

<table>
<thead>
<tr>
<th>Question</th>
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<th>5</th>
<th>6</th>
<th>Total</th>
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<tbody>
<tr>
<td>Mark</td>
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DO NOT WRITE ABOVE THIS LINE.

Name: ________________________________  Class: _____________

Instructions to Candidates

- Answer all questions.
- This paper carries a total of 25 marks.
- Calculators and protractors are NOT ALLOWED.
1. Work out:
   
   a) \( 25 + 6 = \) \[\hspace{0.5cm}\] 
   b) \( 16 + \hspace{0.5cm} = \) \[\hspace{0.5cm} 21\] 
   c) \( 37 - 4 = \) \[\hspace{0.5cm}\] 
   d) \( 14 \times 2 = \) \[\hspace{0.5cm}\] 

   \hspace{0.5cm} \hspace{0.5cm} \hspace{0.5cm} \hspace{0.5cm} \hspace{0.5cm} (4 \hspace{0.5cm} \text{marks})

2. 

   a) Group every two hearts in a set. The first one is done for you.

   b) I have \[\hspace{0.5cm}\] sets of two.

   c) I can write this as: \( 4 \times 2 ; \hspace{0.5cm} 4 + 2 ; \hspace{0.5cm} 42. \)

   Underline the correct answer.

   d) I have \[\hspace{0.5cm}\] hearts in all.

   \hspace{0.5cm} \hspace{0.5cm} \hspace{0.5cm} \hspace{0.5cm} \hspace{0.5cm} (4 \hspace{0.5cm} \text{marks})
3. Work out:
   a) \[1 \times 1 = \______, \quad 2 \times 2 = \______, \quad 3 \times 3 = \______\]
   b) 
   
   This square gives us: \[\______ \times \______ = \______.\] (5 marks)

4. Fill in with \(+\) or \(-\) and a number.
   The first one is done for you.

   a) (i) \[3 \quad + \quad 2 = 5.\]
   (ii) \[6 \quad \____ \quad \____ = 8.\]
   (iii) \[8 \quad \____ \quad \____ = 10.\]
   (iv) \[10 \quad \____ \quad \____ = 12.\]

   b) Can you find the rule? What is it?

   c) (i) \[18 \quad \____ \quad \____ = 15.\]
   (ii) \[15 \quad \____ \quad \____ = 12.\]
   (iii) \[12 \quad \____ \quad \____ = 9.\]

   d) Can you find the rule? What is it?

   ____________________________________________ (6 marks)
5. Work out:

a) $8.4 + 2.5 = \underline{\phantom{0}}$

b) $19.7 - 3.6 = \underline{\phantom{0}}$

(4 marks)

6. Underline 2 correct answers.

$1 \div 2 = \underline{\phantom{0}} \text{ or } \underline{\phantom{0}}.$

$(12, \frac{1}{2}, 1.2, 0.5)$

(2 marks)

END OF NON CALCULATOR PAPER
1. a) What is the value of the underlined digit?

   (i) 96

   (ii) 37

b) Work out

   (i) $7 \times 10 = \underline{07}$

   (ii) $17 \times 10 = \underline{170}$
1. c) (i) Put these numbers on the number line. The first one is done for you.

\[ 9, \quad 12, \quad 6, \quad 18. \]

(ii) Put these numbers in order, largest first.

\[ 26, \quad 42, \quad 13, \quad 51. \]

2. a) Mark with an ‘R’ two right angles on the diagram.

b) Mark with a ‘B’ two angles bigger than a right angle on the diagram.
3.

(a) (i) How many apples are there on the tree?
Answer: ___________ apples.
(ii) This is an **odd**/**even**) number. Choose!

(b) (i) Write **two factors of 6**. ______, ______.
(ii) Write **two factors of 12**. ______, ______.

_________________________ (4 marks)
4. 

You are on the **START** button.  
Move 1 step to the right, 2 steps up and 1 step to the right again.  What fruit do you find there?

Answer: ________________

(2 marks)

5. a) 

Up to which number does this ruler show?

Answer: ________________

(b) Put these numbers in their proper place.

27, 26, 28.

<table>
<thead>
<tr>
<th>SMALLEST</th>
<th>LARGEST</th>
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</table>

(3 marks)
6. a) How many parts equal to \( \triangle \) does this square have?

Answer: \( \quad \)

b) Anna and Peter want to share the parts of the square equally. How many does each one get?

Answer: \( \quad \)

c) Complete: (i) \( \frac{1}{2} = \frac{\text{[ ]}}{8} \)

(ii) \( 50\% = \frac{\text{[ ]}}{100} \)

(4 marks)
7.  a) What is the time?

   (i)  

   (ii)  

   04:00

b) Draw the hands of the clock to mark 2 o’clock.

(4 marks)
8. a) Use your ruler:
   (i) to measure line AB

   \[ \text{Answer: } \underline{______} \text{ cm} \]

   (ii) to draw and label a line CD 5 cm long.

   \[ \text{(5 marks)} \]

b) Draw the missing shapes in this pattern.

   \[ \bigcirc \quad \square \quad \triangle \quad \bigcirc \quad \square \quad \bigcirc \quad \bigcirc \quad \bigtriangleup \]

   \[ \text{(5 marks)} \]

9. a) Use the number line. Start from 6 and count on 5.

   You arrived at number \underline{______}.

   \[ \text{(5 marks)} \]

b) Write to the nearest 10.

   \[ \begin{array}{|c|c|}
   \hline
   \text{Number} & \text{Nearest 10} \\
   \hline
   21 & 20 \\
   59 & 60 \\
   75 & 80 \\
   \hline
   \end{array} \]

   \[ \text{(5 marks)} \]
10. **Match**, using an arrow.

- Quadrilateral
- Circle
- Triangle

(3 marks)

11. Underline **Certain** or **Impossible** near each sentence.

a) My sister is a girl. **Certain / Impossible**

b) We go to Valletta by aeroplane. **Certain / Impossible**

c) At school I do my classwork. **Certain / Impossible**

(3 marks)
12. Each student in class has one pet. The pets are shown here.  
   a) Complete this table about pets.

<table>
<thead>
<tr>
<th>Pets</th>
<th>Number</th>
</tr>
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<tbody>
<tr>
<td>Dog</td>
<td>5</td>
</tr>
<tr>
<td>Cat</td>
<td>1</td>
</tr>
<tr>
<td>Bird</td>
<td>3</td>
</tr>
<tr>
<td>Fish</td>
<td>4</td>
</tr>
<tr>
<td>Tortoise</td>
<td>0</td>
</tr>
</tbody>
</table>

   b) Put the information above, on this bar chart.

   c) Which is the most common pet?  
      Answer: _______________  

      (10 marks)
13. a) Complete these number patterns.

(i) \[8, 10, 12, \quad, \quad.\]

(ii) \[15, \quad 20, 25, \quad, \quad.\]

b) \[
\begin{array}{c}
\text{🍎 + } \quad \quad \quad = \quad \text{🍎🍎🍎🍎🍎🍎}
\\
\text{🍎 apples + } \quad \text{🍎 apples} = \quad \text{🍎 apples}
\end{array}
\]

(8 marks)

14. a) I have €5 and I have to give you €7.

Choose the correct statement:

(i) €5 + €7
(ii) €5 − €7
(iii) €7 − €5

b) When I give you the €5, I still have to give you €2 more.
I write this as: \((-€2, \quad +€2, \quad €0)\).

c) Work this out:

I have 6 marbles and I give you 6 marbles.
I am left with \((6, \quad 12, \quad 0)\) marbles.

(6 marks)
15. Put the objects on the grid as indicated.

(A, 3)  
(C, 6)  
(B, 2)  

(3 marks)
16.  

a) How many unit squares form the area of this shape?

Answer: _________ squares.

b) How many cubes make up this solid shape?

Answer: _________ cubes.

(2 marks)

END OF PAPER