FORM 3 MATHEMATICS TIME: 15 minutes
Non Calculator Paper

Name: ____________________________ Class: _________

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>Total</th>
</tr>
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Instructions to Candidates

• Answer ALL questions.
• This paper carries a total of 25 marks.
• Calculators and protractors are NOT ALLOWED.
1. Work out the following:
   a) \(35 + 16 = \)_____
   b) \(26 - 12 = \)_____
   c) \(8 \times 9 = \)_____
   d) \(36 \div 4 = \)_____

   _____________________________________________________________(4 marks)

2. Work out:
   a) 10\% of €250 = €_____ 
   b) \(\frac{1}{2} \text{ of } 80 \text{ m} = \)_____m

   _____________________________________________________________(4 marks)

3. a) The clock shows the time when Thomas arrives at home from school.

   Write down this time. ____:_____

   b) He starts his homework 1 hour and 30 minutes later.

   He starts his homework at ____:_____.

   _____________________________________________________________(2 marks)
4. a) An apple costs 30c. Tim buys 8 apples. How much does he spend?

Tim spends €___.___

b) An orange costs 40c. Thea buys 7 oranges. How much does she spend?

Thea spends €___.___

c) Complete the following sentence by using MORE or LESS.

1 apple costs ______ than 1 orange.

______________________________________(5 marks)

5. John eats \( \frac{3}{5} \) of a pizza. Elisa eats \( \frac{1}{5} \) of this pizza.

a) Who eats more pizza, John or Elisa? ______

b) What fraction of the whole pizza do they eat altogether?

They eat _____ of the pizza.

______________________________________(3 marks)
6. A field is in the shape of a rectangle. The field is 40 m long and 20 m wide.

   a) The farmer wants to put a fence round the 4 sides of the field.

      How many metres of fence does he need?

      He needs ______ m of fence.

   b) The cost of 1 m of fence is €10. What is the total cost?

      The total cost is €_______
7. a) (i) To build a rectangle 3 cm by 4 cm, you need _____ squares of 1 cm\(^2\) each.

(ii) The perimeter is ______cm.

b) (i) Draw a rectangle with an area of 24 cm\(^2\).

(ii) What is the perimeter of this rectangle? ______cm

_______________________________________

(4 marks)
1. Fill in, with two different even numbers, which add up to 20.

\[ \square + \square = 20 \]

___________________________________  ____________________  (4 marks)
2. Write these five numbers in the correct places on the diagram.

25  247  7002  49  990

<table>
<thead>
<tr>
<th></th>
<th>odd</th>
<th>not odd</th>
</tr>
</thead>
<tbody>
<tr>
<td>a 3-digit number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>not a 3-digit number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(5 marks)

3. In a bag there are 14 white cubes and 6 green cubes.

Write down the probability of picking a green cube.

(3 marks)
4. Complete the following by choosing the correct number from the box below.

a) 1 litre = ______ml

b) 100 cm = _____m

c) €1 = _____cent

________________________________________________________(6 marks)

5. Write these times in order, starting with the shortest.

25 days  1 month  8 weeks  36 hours

Shortest

________________________________________________________(6 marks)
6. a) The table below shows the number of sticks in each triangle. Complete the table.

<table>
<thead>
<tr>
<th>Triangle</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>of STICKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

b) The dotted line below is the **line of symmetry**. Complete each shape.

_________     __________
__________   __________________
  ___________     ___________
             __________
             __________

(10 marks)
7. a) A flight from Malta to Greece for an adult costs €240. The cost for a child is 50% of the adult price.

(i) What is the cost for 1 child?

Cost for 1 child = €_____

(ii) What is the total cost for 1 adult and 1 child?

Total cost = €_____

b) Omar buys 3 chicken sandwiches and 6 salad sandwiches.

Work out the total cost.

<table>
<thead>
<tr>
<th>SANDWICHES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TUNA</td>
<td>€1.50</td>
</tr>
<tr>
<td>CHICKEN</td>
<td>€2.50</td>
</tr>
<tr>
<td>SALAD</td>
<td>€1.00</td>
</tr>
</tbody>
</table>

Omar pays €___.___  

__________________________________________________________________________ (10 marks)
8. This table shows the time (in minutes) taken by a group of children to complete a race.

<table>
<thead>
<tr>
<th>Time [in minutes]</th>
<th>Tally</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 – 24</td>
<td>///</td>
<td>3</td>
</tr>
<tr>
<td>25 – 29</td>
<td>///</td>
<td>5</td>
</tr>
<tr>
<td>30 – 34</td>
<td>/// ///</td>
<td>7</td>
</tr>
<tr>
<td>35 – 39</td>
<td>/// /// ///</td>
<td></td>
</tr>
<tr>
<td>40 – 44</td>
<td>/// /// ///</td>
<td></td>
</tr>
<tr>
<td>45 – 49</td>
<td>/// ///</td>
<td></td>
</tr>
<tr>
<td>50 – 54</td>
<td>///</td>
<td></td>
</tr>
</tbody>
</table>

a) Complete the table.

b) How many children took part in the race? _____

c) How many children took more than 1 hour to finish the race? _____

_____________________________________________________________(7 marks)
9. Triangular prism  Cylinder  Cube

Fill in:

<table>
<thead>
<tr>
<th>Shape</th>
<th>Number of faces</th>
<th>Number of edges</th>
<th>Number of vertices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triangular Prism</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cylinder</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Cube</td>
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</tbody>
</table>

___________________ __________

10. a) Coordinates of A (___,___)

b) Plot the following coordinates:
   B (6,3) and C (4,8)

c) Join A, B and C.

d) Triangle ABC is:
   (scalene, isosceles, equilateral)

___________________

(9 marks)

(8 marks)
11. a) Fill in the blanks by rounding each number to the nearest 10 and then work out.

\[
\frac{36 \times 42}{99} \approx \frac{\blacksquare \times \blacksquare}{\blacksquare} = \blacksquare
\]

b) (i) Now use your calculator to find the exact answer. _______

(ii) Give your answer correct to the nearest whole number.

Nearest whole number =______

________________________________________________________(7 marks)