**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) \( 25 + 31 = \)  
   
   b) \( 27 - 14 = \)  
   
   c) \( 220 + 104 = \)  
   
   (3 marks)

2. Complete:

   a) \( 34 + \underline{\hspace{2cm}} = 80 \)  
   
   b) \( 78 - \underline{\hspace{2cm}} = 51 \)  
   
   (2 marks)

3. Arrange these numbers in ascending order (smallest first):
   
   23, 2.93, 18, 20.9  
   
   (2 marks)

4. How many degrees are there in 1 right angle?

   90°  
   
   (1 mark)
5 **Shade** in the amount shown under each rectangle:

\[
\begin{array}{ccc}
\frac{1}{8} & \frac{3}{4} & 25\
\end{array}
\]

(4 marks)

6 Fill in the boxes below by choosing the correct word from:

\begin{align*}
\text{East } (E) & \quad \text{West } (W) \\
\text{South-east } (SE) &
\end{align*}

\text{NORTH}

(3 marks)

7 Work out the mean (average) of these numbers:

\[7, 10, 9, 6\]

(2 marks)
8 Calculate the perimeter of this triangle.

\[ \text{Perimeter} = \quad \text{cm} \]

(2 marks)

9 Calculate the area of this rectangle.

\[ \text{Area} = \quad \text{cm}^2 \]

(2 marks)

10 Complete:

a) \[ 13, \quad 16, \quad \_, \quad 22, \quad \_. \]

(4 marks)

b) \[ 10, \quad 8, \quad \_, \quad 4, \quad 2, \quad \_, \quad -2. \]

(4 marks)

End of Paper
Name: ___________________________ Class: ______________

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

1. Use your calculator to work out:
   a) \( 197.4 + 152.6 \) =
   b) \( 9 + 8.5 \) =
   c) \( 290 \div 20 \) =

   (3 marks)

2. Use a ruler and a protractor to draw triangle ABC accurately. Measure the length of AC.

   \( \overline{AC} = \) ___________ cm

   (5 marks)
3. The turtle draws a square of side 60 turtle steps (ts).
   a) What is the total distance travelled by the turtle?

   _______ ts

   b) Fill in the blanks to draw the square:

   PD  Repeat _____ [ FD _____ RT _____ ]

   (5 marks)

4. The Gozo ferry leaves Gozo at 9 o’clock at night. The trip to Ċirkewwa takes 25 minutes. Answer the following questions by underlining the correct answer:

   a) The ferry leaves Gozo at (9 a.m., 6:09 p.m., 9 p.m.)

   b) The ferry arrives at Ċirkewwa at (9:25 a.m., 6:34 p.m., 9:25 p.m.)

   c) On the 24-hour clock, we write 9 o’clock at night as (0900 ; 2100 ; 3300)

   (4 marks)

5. Draw a circle centre A, with radius 3.5 cm. On your circle, draw and mark a radius and a diameter. Measure the length of the diameter.

   diameter = _______ cm

   (5 marks)
6 On the grid below plot and label the following points:

A (0, 1)  B (3, 1)  C (5, 4)  D (0, 7)

Join A to B, B to C, and C to D.

Use the y axis as the mirror line and draw the image of shape ABCD.

(8 marks)

7 John wants to buy a football which is marked €20. His father pays 10% of the price. John pays the rest.

a) What is 10% of €20?

€ ________

b) How much does John pay for the football himself?

€ ________

(4 marks)
8 a) Work out the output of these number machines:

i) \[ \begin{align*}
9 & \rightarrow \times 4 \rightarrow -3 \\
\end{align*} \]

ii) \[ \begin{align*}
7 & \rightarrow \times 2 \rightarrow +5 \\
\end{align*} \]

b) Work out the input of this number machine:

\[ \begin{align*}
& \rightarrow \times 3 \rightarrow 18 \\
\end{align*} \]

(6 marks)

9 In a class of 24 students, half of them live in Ħamrun, 8 live in Sliema and the others live in Msida.

a) How many students live in Ħamrun?

\[ \underline{12} \text{ students} \]

b) How many students live in Msida?

\[ \underline{8} \text{ students} \]

c) Use this information to fill in the bar chart.

(7 marks)
10  John was using some cubes to build the solid shown. All the cubes were exactly the same. Each cube was 1 cm long, 1 cm wide and 1 cm high, and there were 2 layers of cubes.
   a) How many cubes were there in each layer?

   _______ cubes

   b) What was the **total volume** of the solid?

   _______ cm$^3$

   (5 marks)

11  Fill in the blanks:

   a) $x + 70^\circ = ______$

   $x = ______$

   b) In triangle ABC

   $c + 83^\circ + 42^\circ = ______$

   $c + ______ = ______$

   $c = ______$

   (8 marks)
12 a) Work out this bill:

- 3 cartons milk at €0.85 each € ________
- 2 packets cat food at €1.52 each € ________
- 6 kg potatoes at €0.75 per kg € ________
- □ bottles water at € 0.70 each € 1.40

**TOTAL** € ________

b) How many **bottles of water** did I buy?

_______ bottles

c) How much change do I get from €20?

€ ________

(12 marks)

13 Fill in with: likely, certain, impossible

a) I draw a square having only **three** sides. ________

b) Malta is larger than Gozo. ________

c) If I do not study, I will fail my exam. ________

(3 marks)