

FORM 1

MATHEMATICS
Non Calculator Paper

TIME: 30 minutes

Question	1	2	3	4	5	6	7	8	Total
Mark									

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) $525 + 475 =$ _____
 - b) $87 - 24 =$ _____
 - c) $136 \times 6 =$ _____
 - d) $44 \times 10 =$ _____
 - e) $780 \div 10 =$ _____

(5 marks)

2. **Underline** the correct answer.

- a) I need (**a ruler, a protractor, scales**) to measure an angle.
- b) Angles are measured in (**degrees, centimetres, grams**).
- c) One whole turn has (**100°, 180°, 360°**).

(3 marks)

3. I go shopping and buy the following objects. How much do I spend in all?

	Working	Cost
2 chocolates at €0.65 each		
1 packet of biscuits at €1.20		
3 buns at €0.45 each		
TOTAL		

(3 marks)

4. a) **Divide** 20 beads **equally** into 4 bags. How many beads does each bag have?

Answer: _____

- b) Underline the correct answer:
The above answer is **50%** **40%** **25%** of 20.

(3 marks)

5. A man has an iron bar 1 metre long. He cuts 20 cm of it.

- a) How long is the remaining part?

Answer: _____ cm

- b) The man cuts another 20 cm from the remaining part. How long is the remaining part now?

Answer: _____ cm

(4 marks)

6. What is the value of: $2x + 3y$ when $x = 4$ and $y = 3$?

Answer: _____

(2 marks)

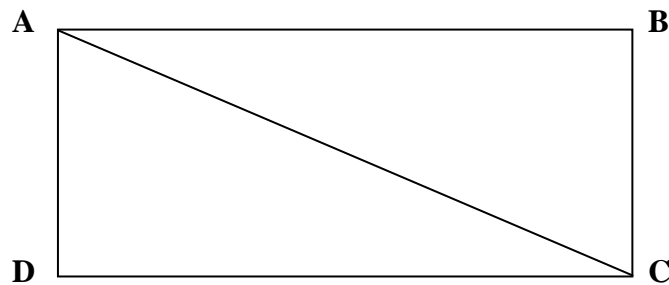
7. Work out:

a) $(3 \times 10) + 7 =$ _____

b) $8 - (6 \div 2) =$ _____

(4 marks)

- 8.



The area of the rectangle ABCD is 24 cm^2 .

What is the area of the triangle ACD?

Answer: _____ cm^2

(1 mark)

FORM 1 **MATHEMATICS** **TIME: 1h 30min**
Main Paper

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total Main	Non Calc	Global Mark
Mark																			

DO NOT WRITE ABOVE THIS LINE

Name: _____

Class: _____

CALCULATORS ARE ALLOWED BUT ALL NECESSARY WORKING MUST BE SHOWN.
ANSWER ALL QUESTIONS.

1. a) What is the value of the underlined digit?

(i) 2022 _____

(ii) 2022 _____

b) Write in **figures**: Ninety eight.

c) Put these numbers in order, **smallest first**:

342, 324, 243, 423.

(5 marks)

2. a) A group of friends likes to go to sports activities.

4 friends go for football,
6 friends go for swimming,
4 friends go for gymnastics and
2 friends go for athletics.

Complete the frequency table below, putting the number of friends and the right symbol near each sports activity :

The symbol ☺ represents two children.

The first one is done for you.

SPORTS	NUMBER OF FRIENDS	SYMBOL
Football	4	☺☺
Swimming		
Gymnastics		
Athletics		

- b) Complete:

The **mode** is _____.

(5 marks)

Name : _____

Class : _____

LE
5 - 6

3.

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

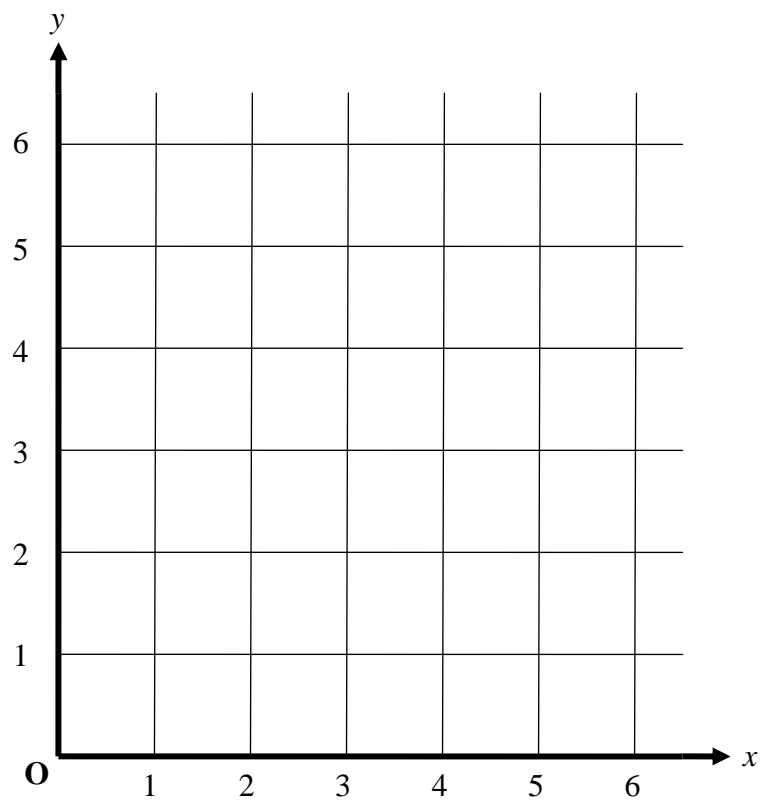
Use the Number Square to write:

- a) the **multiples** of 5 in the square: _____, _____, _____, _____, _____.
- b) the **square** of the number 5: _____
- c) the **prime** numbers less than 12: _____, _____, _____, _____, _____.
- d) five **odd** numbers: _____, _____, _____, _____, _____.
- e) four **factors** of 20: _____, _____, _____, _____.

(8 marks)

4. Plot the following points and join them.

$(1,4) \longrightarrow (4,4) \longrightarrow (3,2) \longrightarrow (2,2) \longrightarrow (1,4)$



(3 marks)

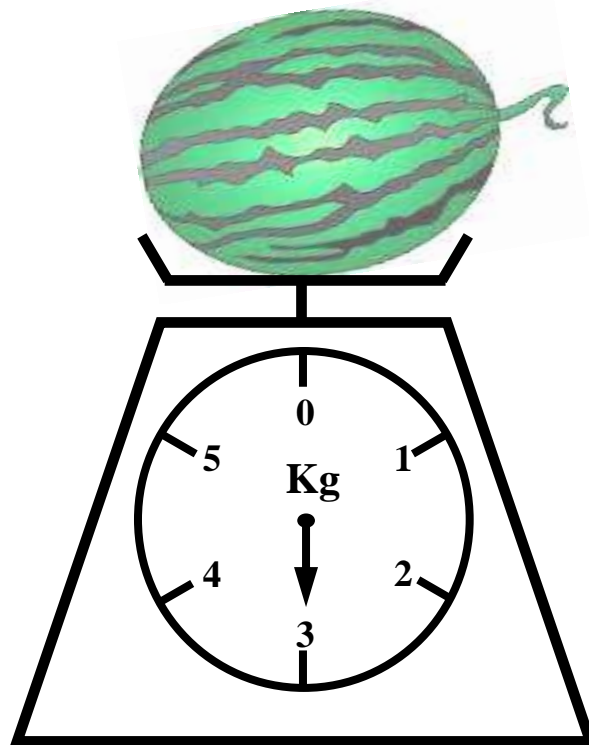
Name : _____

Class : _____

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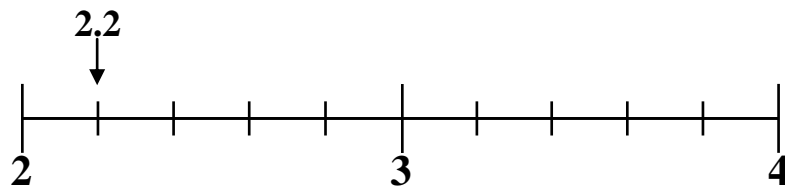
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5.



- a) The watermelon weighs _____ kilograms.
- b) Place these numbers on the number line. The first one is done for you.

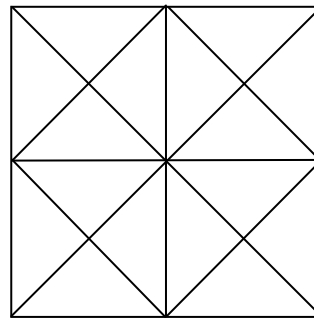
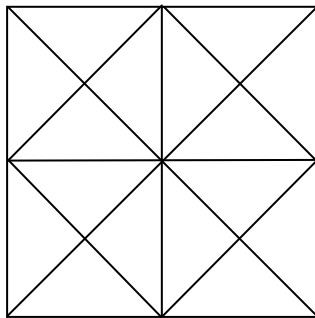
2.2, 2.6, 3.8, 3.4



- c) Write the above numbers in order, **largest first**.

(6 marks)

6. a) Shade $\frac{1}{4}$ of each square in a different way.



b) Complete $\frac{1}{4} = \frac{\boxed{}}{16}$

c) Complete: $25\% = \frac{25}{\boxed{}}$

(4 marks)

7. a) Fill in:

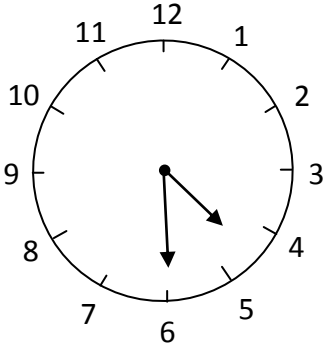
- (i) 5 metres are equal to _____ centimetres.
 (ii) 8000 grams make _____ kilograms.
 (iii) 9000 millilitres make _____ litres.

- b) Write the time:

(i)

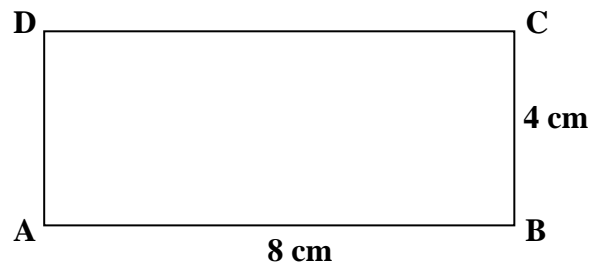
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 _____ past _____

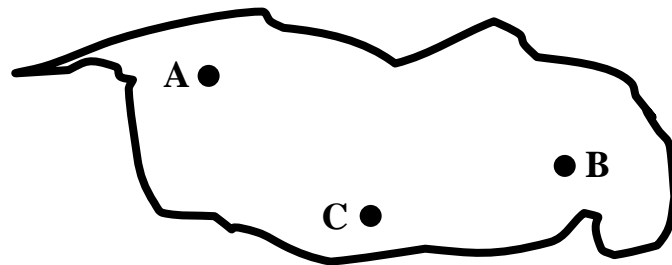
(ii) 
 _____ past _____

(5 marks)

8. a) Use your ruler and set square to draw exactly the rectangle in this sketch.



- b) A map of a small island has a **scale of 1 cm to 1.5 km**.
A is 5 cm away from B and C is 3 cm away from A.



Work out the actual distance of

- (i) A from B.

Answer: _____

- (ii) C from A.

Answer: _____

(8 marks)

9. a) Complete this table:

Number	To the nearest 10
89	
41	
55	

- b) Use the rounding of numbers from the table and give a rough estimate of:

$$\begin{array}{r} 89 \times 41 \\ \hline 55 \end{array}$$

Answer: _____

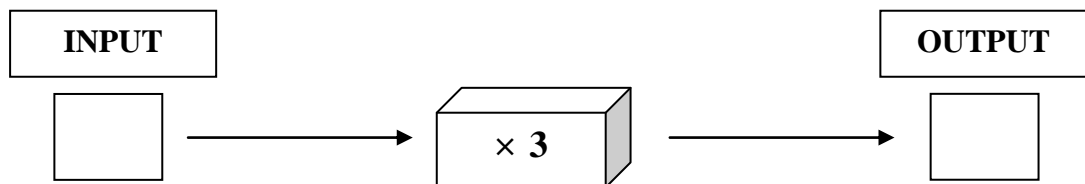
(5 marks)

10. a) Continue these patterns.

(i) 5, 8, 11, _____, _____, _____.

(ii) ●, ●●, ●●●, _____, _____

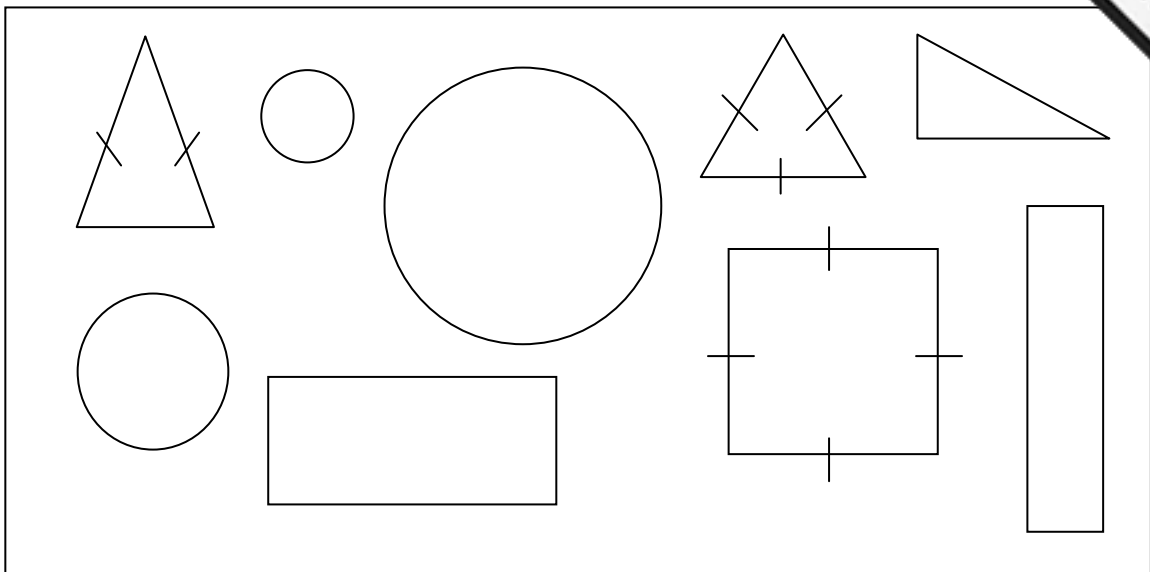
- b) (i) If I input the number **12** what is the output?



- (ii) What is happening to the input in this number machine?

(5 marks)

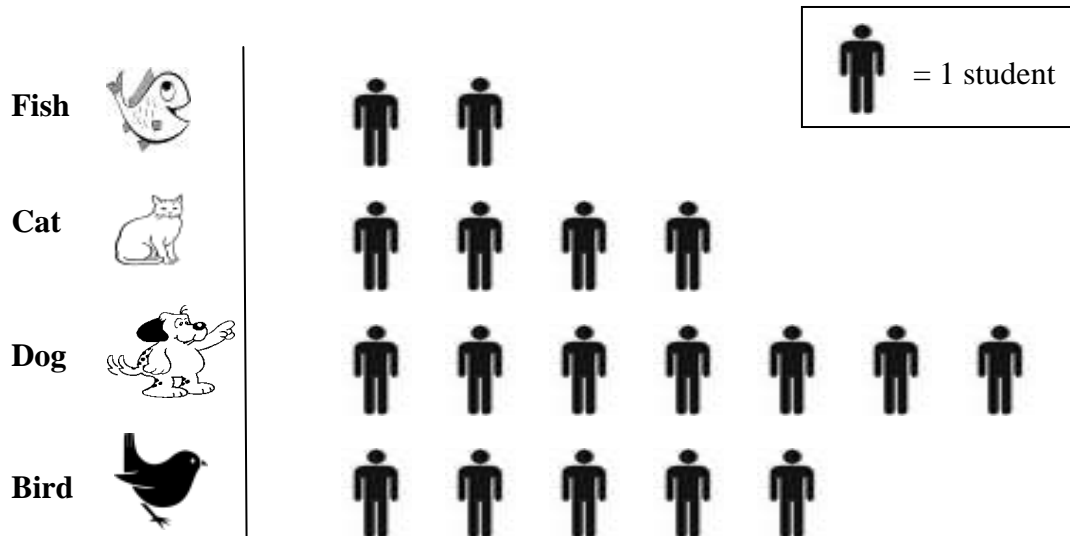
11. a) Look at this set of shapes:



- (i) How many circles are there? Answer _____
- (ii) How many quadrilaterals are there? Answer _____
- (iii) How many triangles are there? Answer _____
- (iv) A triangle with all sides equal is called (isosceles, equilateral, scalene).
- (v) A square has all its sides (curved, long, equal).
- b) Draw a circle with a radius of 4 cm. Label the centre and the radius.

(7 marks)

12. This chart shows the pet each student has. Each student has one pet only.



- a) How many students have a cat? Answer _____
- b) How many students are there in all? Answer _____
- c) Which is the most common pet? Answer _____

(3 marks)

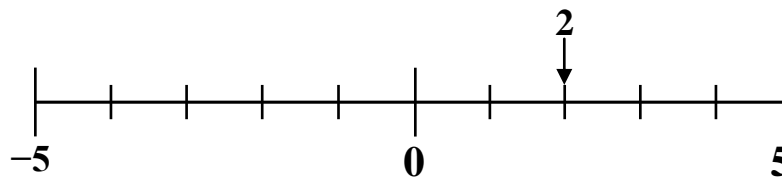
13. Write **Certain** or **Impossible** near each statement.

- a) A sister is a girl. Answer _____
- b) We go to Valletta by aeroplane. Answer _____
- c) We play football with a ball. Answer _____

(3 marks)

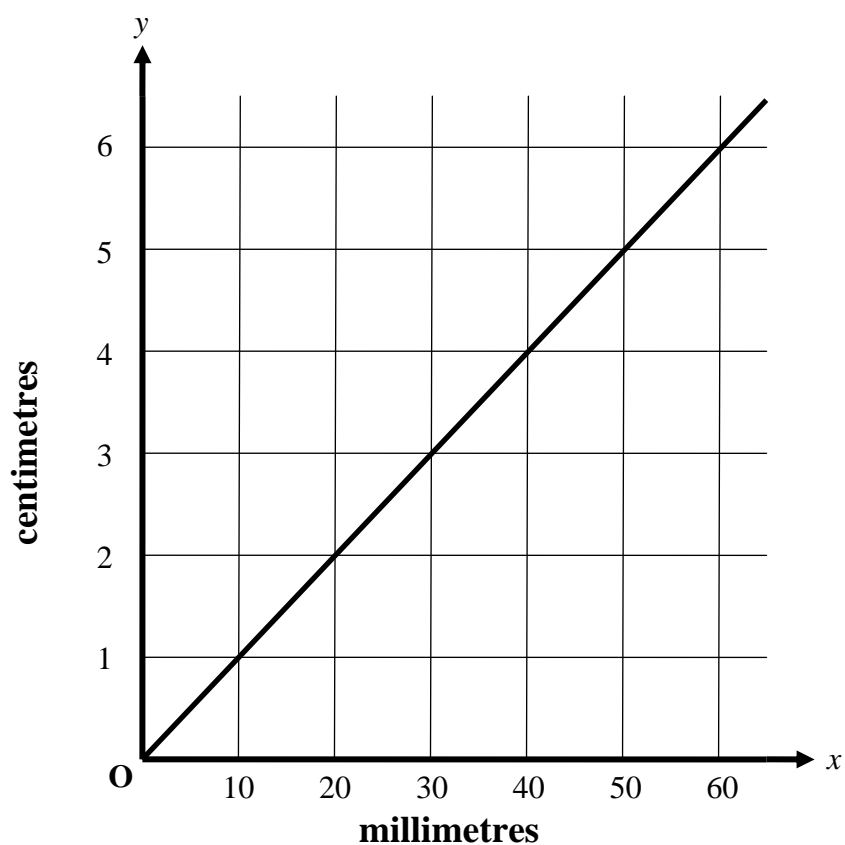
14. Place these numbers on the number line. The first one is done for you.

2, 4, -1, -3



(3 marks)

- 15.

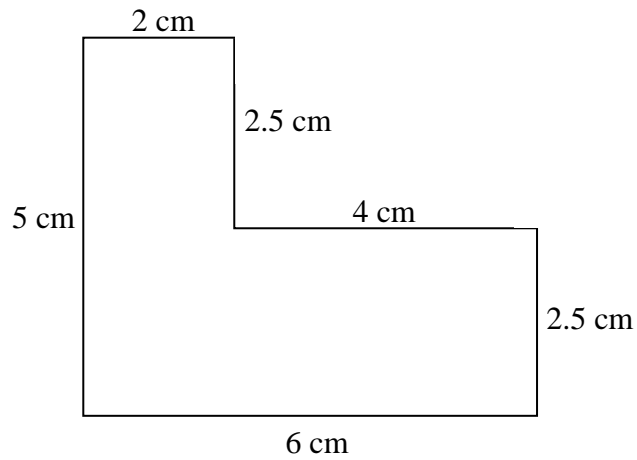


Use this **conversion graph** to change 3 cm to millimetres.

Answer: 3 cm = _____ mm

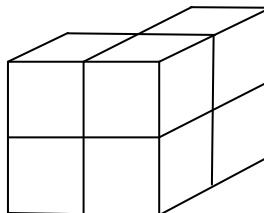
(2 marks)

16. a) Work out the **perimeter** of this shape.



Answer _____ cm

- b) The solid shape below is made up of small cubes of side 1 cm.
What is the **volume** of this shape?



Answer _____ cm³

(3 marks)

END OF PAPER