



Annual Examinations for Middle Schools 2025

YEAR 7

**MATHEMATICS
Main Paper**

TIME: 1h 40min

Question	1	2	3	4	5	6	7	8	9	10	11	12	Total Main	Non- Calc	Total Mark
Mark															

DO NOT WRITE ABOVE THIS LINE

Name: _____ Class: _____

**Answer ALL questions.
Calculators are allowed. All necessary working must be shown.**

1. a) Round the following numbers.

i) 108 to nearest 10 = _____

ii) 794 to the nearest 100= _____

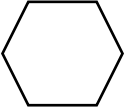
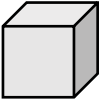
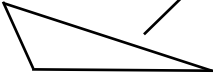
b) Write the following numbers in order, smallest first.

217 , 270 , 107 , 735 , 175

_____ , _____ , _____ , _____ , _____.

(4 marks)

2. a) Match the following.

Shape	Name of Shape	Property
	Cube	It has 4 right angles and 2 pairs of equal and parallel sides.
	Regular Hexagon	It has three sides of different lengths.
	Scalene Triangle	It has six identical square faces.
	Rectangle	It has six equal sides.

b) Fill in.

Shape	Number of Faces	Number of Edges	Number of Vertices
Cuboid			

(9 marks)

3. One card is picked at random from the set of number cards below.

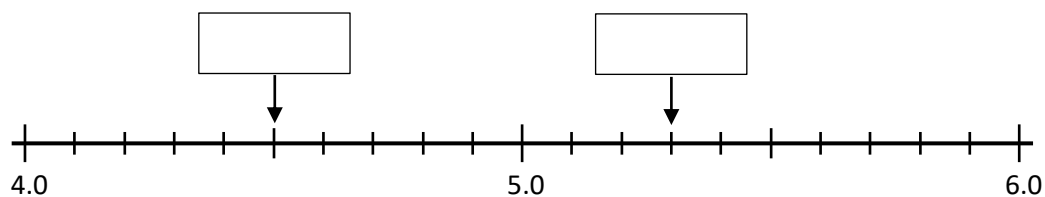
1	2	3	4	5	6	7	8	9	10
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Match the probabilities.

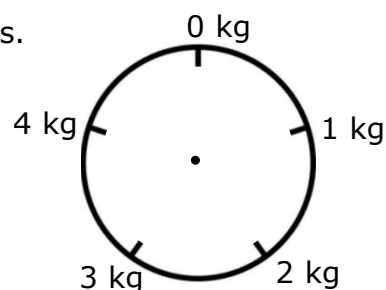
An odd number	Impossible
A multiple of 5	Certain
The number 12	Evens
A whole number	Unlikely

(4 marks)

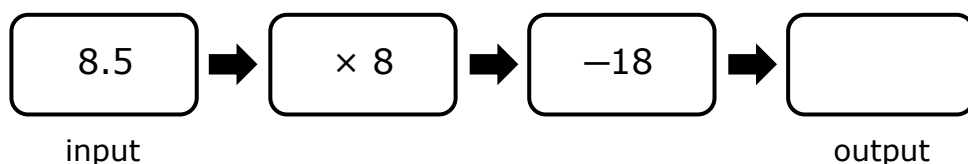
4. a) i) Fill in the boxes marked by arrows, with the decimal numbers.



ii) Draw an arrow to mark 3.5 kg on the scales.



b) Work out the output.



(5 marks)

5. a) Luca works in a restaurant. He orders the vegetables in the list below. Complete the table.

Vegetables	Price per Kg	Amount	Price
Onions	€1.45	5 kg	€7.25
Marrows	€1.50	3.5 kg	
Potatoes	€1.10	8 kg	
Pumkin	€1.50	6 kg	
Tomatoes	€2.00	4 kg	€8.00
Carrots	€1.00	3 kg	€3.00
Total			

b) i) The vegetables are delivered to Luca's restaurant at a charge of €5.00. How much does Luca pay in all?

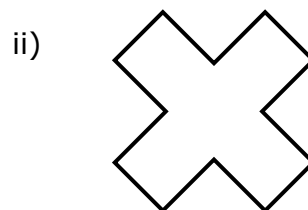
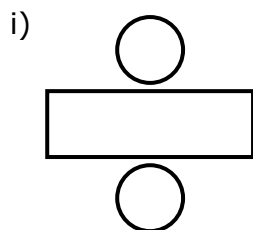
Ans: €_____

ii) Luca makes this order twice a week. How many kilograms of vegetables does he buy in 4 weeks?

Ans: _____kg

(9 marks)

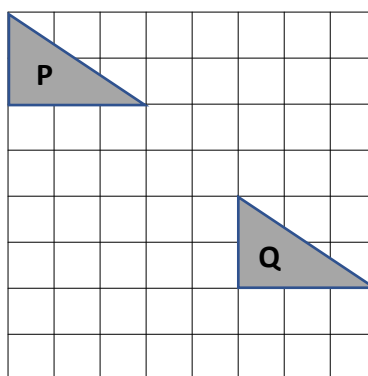
6. a) Draw the line/s of symmetry of the following shapes.



b) Circle the capital letter/s that have a line of symmetry.

A J L M P

c) Shape P moves to shape Q.



Underline the correct.

Shape P moves (5 , 4) to the right and 4 (up , down).

(7 marks)

7. a) Gianni wakes up in the morning at the time shown on the clock.

i) Write this time in words.

Ans: _____

07:10

ii) Gianni leaves for work 40 minutes after the time shown on the clock.
At what time does Gianni leaves for work?

Ans: _____

iii) Gianni has one hour and a quarter meeting.
How long is the meeting in minutes?

Ans: _____minutes

b)

August 2025						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
				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	26	27	28	29	30	31

i) On which day of the week is 15th August?

Ans: _____

ii) How many full weekends are there in August?

Ans: _____

iii) Every Saturday, Maya has a one hour and a half basketball training session. How many hours and minutes does she train in total in August?

Ans: _____ hr _____ minutes
(8 marks)

8. Use the grid to:

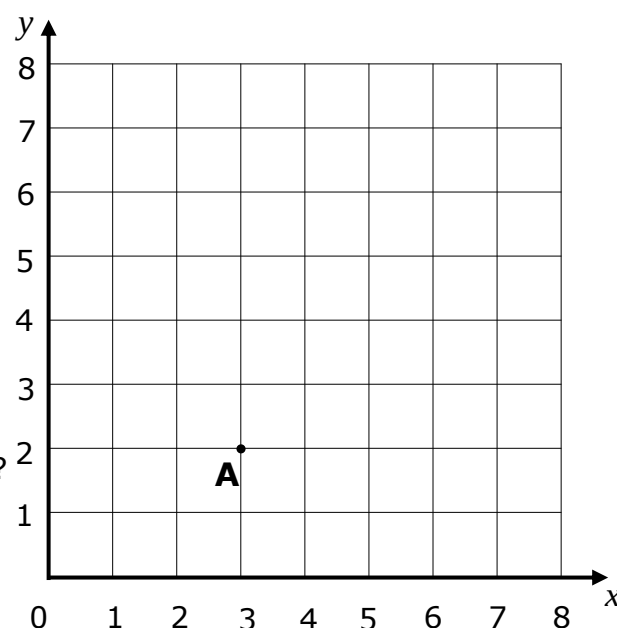
a) Write the coordinates of point A.

Ans: A (____, ____)

b) Plot and label the points B(7, 2), C(8, 6), D (5, 8) and E(2, 6).

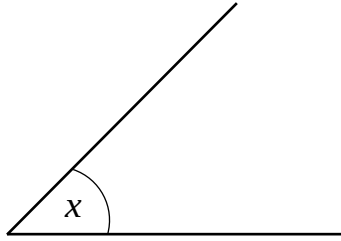
c) Join the points to form a polygon. What is the name of polygon ABCDE?

Ans: _____



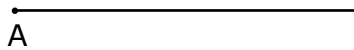
(5 marks)

9. a) Measure angle x .



Ans: _____ °

b) Draw an angle of 120° at point A.



c) i) Fill in.

PQR is _____ triangle.

iv) Work out the size of angle x .

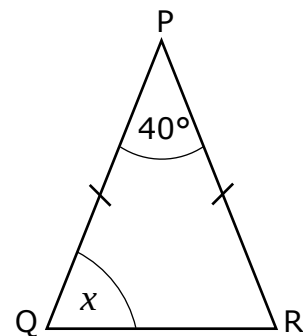


Diagram not drawn to scale.

Ans: _____ °

v) In triangle PQR, PQ is 11.5 cm long and QR is 8 cm long.
Work out the perimeter of triangle PQR.

Ans: _____ cm
(7 marks)

10. The frequency table below shows the task that a group of students prefer to do at home.

Task	Frequency
Clearing up their room	4
Washing the dishes	9
Cooking preparations	3
Dusting	2
Feeding their pet	4
Do not help at home	
Total	28

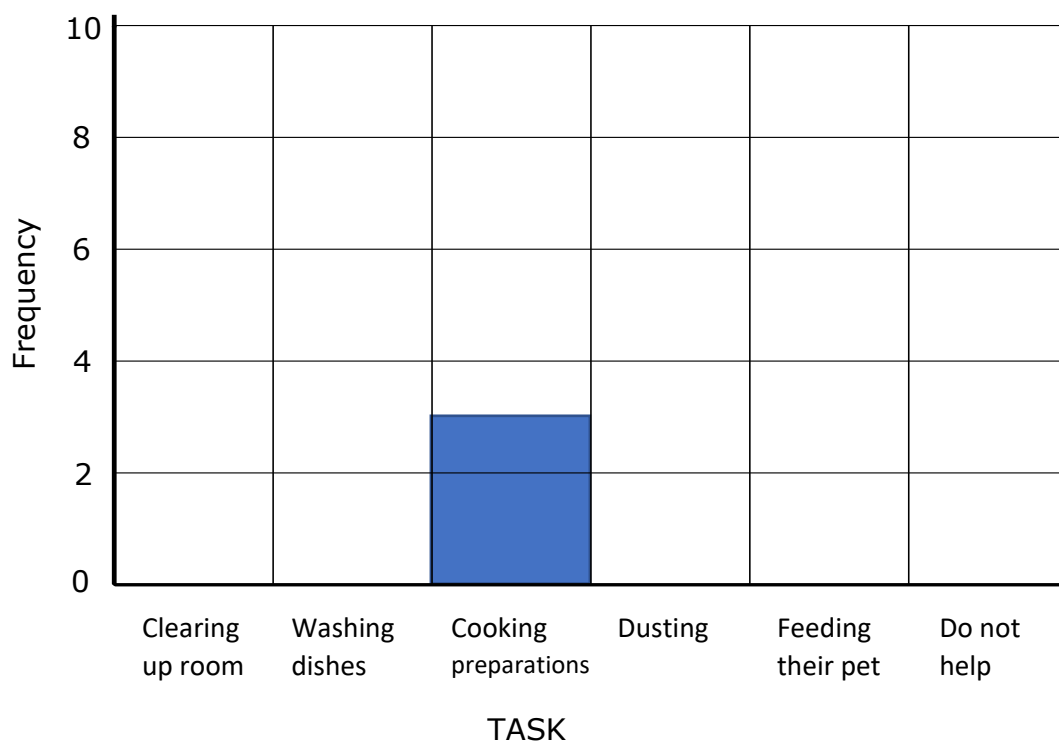
- a) How many students do not help at home?

Ans: _____

- b) Which task do the students like most?

Ans: _____

- c) Complete the bar chart below to represent the above information.



(6 marks)

11. a) Complete the table below.

Fraction	Decimal	Percentage
	0.5	
		25%
$\frac{3}{4}$		

b) Lara has €240.

i) Lara spends $\frac{3}{20}$ of €240 to buy a bag. How much does the bag cost?

Ans: €_____

ii) Lara spends 50% of €240 to buy a coat. How much does the coat cost?

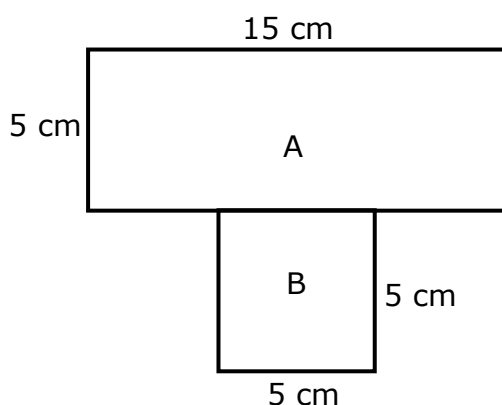
Ans: €_____

iii) How much does Lara have left after buying the bag and the coat?

Ans: €_____

(11 marks)

12. The T-shape is made up of rectangle A and square B.



a) Work out the area of rectangle A.

Ans: _____ cm²

b) Work out the area of square B.

Ans: _____ cm²

c) Calculate the total area of the shape.

Ans: _____ cm²

(5 marks)

END OF EXAMINATION