

Annual Examinations for Middle Schools 2024

YEAR 7

MATHEMATICS
Main Paper

TIME: 1h 40min[illegible]

DO NOT WRITE ABOVE THIS LINE

Name: _____ Class: _____

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

1. a) Write in figures:

One hundred thirty-eight

Ans:

b) Write any three odd numbers that add up to 23.

Ans:

c) From these numbers 6, 8, 15, 16, 18, 21 write all the:

i) Multiples of 3

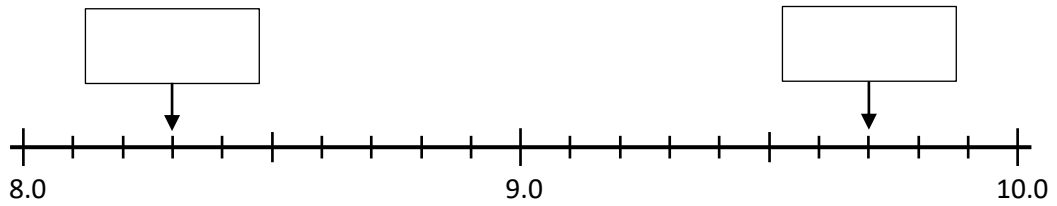
Ans:

ii) Multiples of 4

Ans:

(6 marks)

2. Look at the number line below.



a) Fill in the boxes with the decimal numbers marked by each arrow.

b) Mark with an arrow the following decimal numbers:

i) 8.9

ii) 9.4

(4 marks)

3. Maria went to a stationery to buy the items in the list below.

Item	Quantity	Price (€)	Total (€)
Pencil	4	0.85	
Biro	3	2.15	6.45
Notebook	1	3.00	3.00
Birthday Card	2	2.50	
Stamps	5	0.38	
		Total	€

a) Complete the table to find the total cost.

b) Maria paid with a €20 note. Calculate her change in cent.

Ans: c

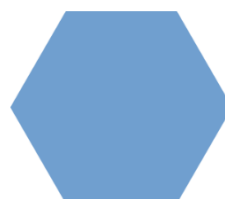
(6 marks)

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

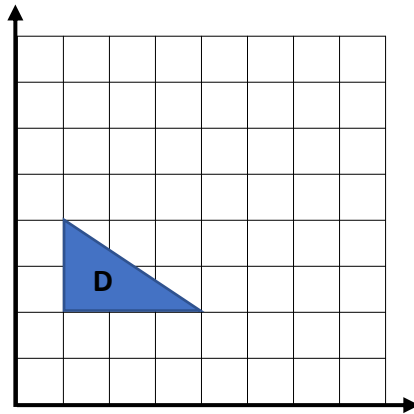
i)



ii)



b) Move shape D, 3 to the right and 4 up.



(5 marks)

5. A jacket is marked €48 in a shop. Kate buys the jacket at 25% discount.

a) How much does Kate save?

Ans: €_____

b) How much does Kate pay for the jacket?

Ans: €_____

(4 marks)

6. The fair spinner is spun once. Match the statements with the correct probability.

The arrow will land on:

An even number

A number greater than 8

A number less than 6

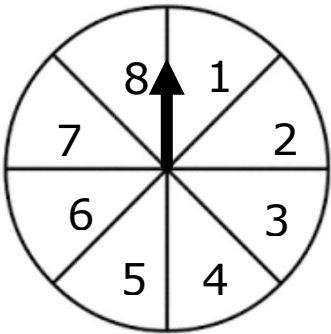
A whole number

Certain

Likely

Evens

Impossible



(4 marks)

7. a) The table below shows the month of September.

September 2024						
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						

i) How many full weekends are there in September? Ans: _____

ii) On which day of the week is the National Holiday of 8th September?
 Ans: _____

iii) Carla will be abroad from 4th to 10th September.
 How many days will Carla be abroad? Ans: _____

iv) Gianni has football training every Monday, Thursday and Saturday.
 How many training sessions will Gianni have in September?
 Ans: _____

v) Jo's birthday is on 30th August. On which day of the week is Jo's birthday?
 Ans: _____

b) Julia wakes up at quarter past seven in the morning.

i) Write this time in 12-hour digital clock.
 Ans: _____

ii) After one hour fifteen minutes, Julia arrives at school.
 Write in words the time Julia arrives at school.
 Ans: _____

(10 marks)

8. Use the grid below to:

a) Write the coordinates of point A.

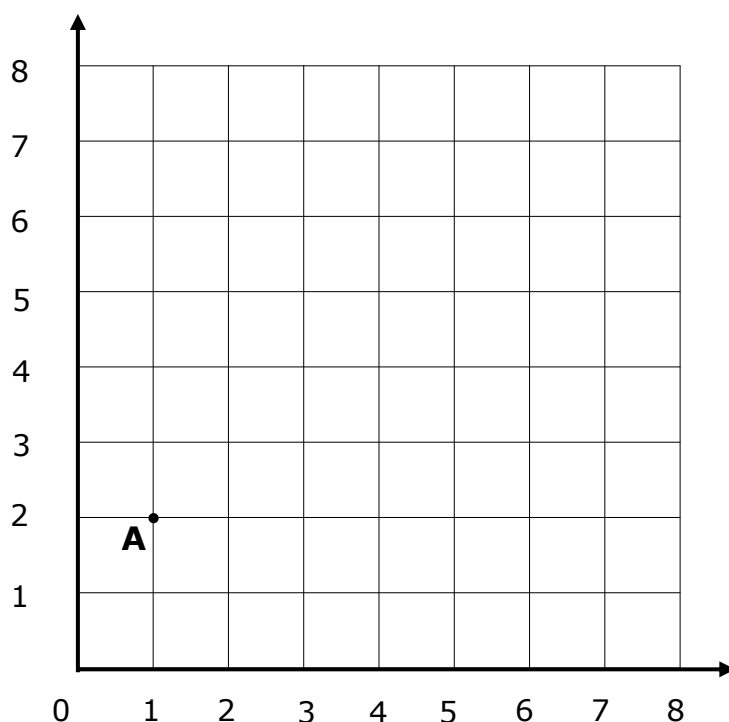
Ans: A (____ , ____)

b) Plot and label the points B (1 , 6) and C (7 , 6).

c) Plot point D to form a rectangle ABCD. Write the coordinates of point D.

Ans: D (____ , ____)

d) Draw the rectangle ABCD. Shade 50% of rectangle ABCD.



(7 marks)

9. Write TRUE or FALSE for each statement.

a) A pentagon has 6 sides.

Ans: _____

b) A cube has 8 edges.

Ans: _____

c) The faces of a cube are all squares.

Ans: _____

d) A cuboid has 6 faces.

Ans: _____

e) A rectangle is a regular shape.

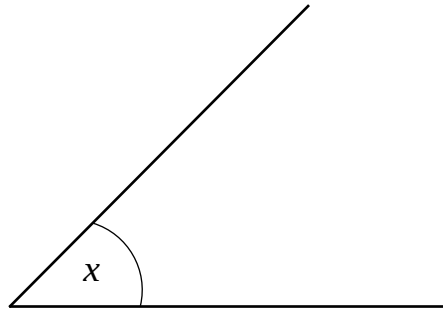
Ans: _____

f) Parallel lines never meet.

Ans: _____

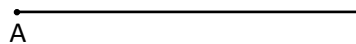
(6 marks)

10.a) Measure angle x .



Ans: _____ °

b) Draw an angle of 115° at point A.



c) Underline the correct answer.

A triangle with three equal sides is (scalene, isosceles, equilateral).

d) Work out the value of angle n .

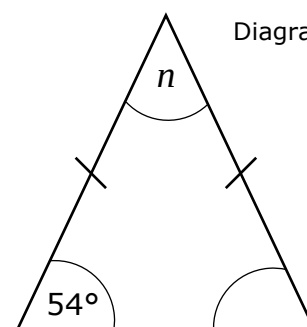
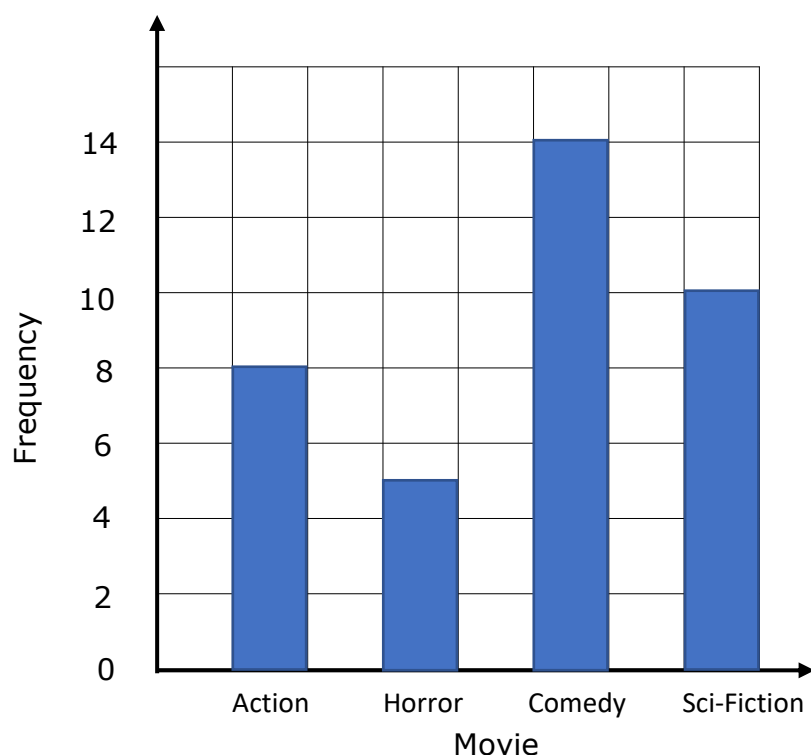


Diagram not drawn to scale

Ans: _____ °

(7 marks)

11. The bar chart below shows the favourite type of movie of a number of persons.



a) Use the bar chart to fill in the frequency table below.

Movie	Frequency
Action	
Horror	
Comedy	
Sci-Fiction	

b) How many persons participate in this survey?

Ans: _____

c) Which type of movie is the most popular?

Ans: _____

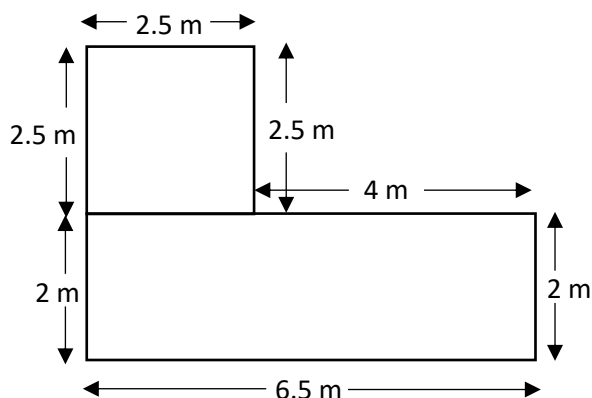
d) How many more persons prefer comedy to horror movies?

Ans: _____

(9 marks)

12. The shape below is made up of a square and a rectangle.

- a) Calculate the perimeter of this shape.



Ans: _____ m

- b) Work out the area of the shape.

Ans: _____ m²

(6 marks)

13. a) Work out the value of $6y + 8$ when $y = 4$.

Ans: _____

- b) Milly buys doughnuts and muffins. Doughnuts cost d cent each and muffins cost m cent each.

- i) Write an expression, in terms of d and m , for the total cost of two doughnuts and three muffins.

Ans: _____

- ii) If the doughnuts cost 75 cent each and the muffins cost 95 cent each, how much will 2 doughnuts and 3 muffins cost altogether? Give your answer in Euro.

Ans: € _____

(6 marks)

End of Main Paper