DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Directorate for Learning and Assessment Programmes
Educational Assessment Unit

Track 1

Annual Examinations for Middle Schools 2022

YEAR 7 **MATHEMATICS** **TIME: 1h 30min**
Main Paper

Name: _____ Class: _____

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

DO NOT WRITE ABOVE THIS LINE

Calculators are allowed but all necessary working must be shown. Answer all questions.

1. a) i) The scale below shows a weight of _____ kg.

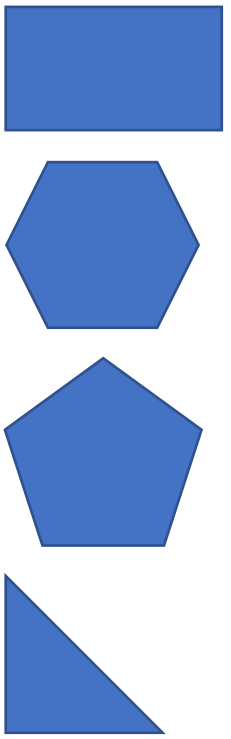
ii) On the scale, draw an arrow to show 1.4 kg.

b) Continue the pattern.

1.4 kg , 1.6 kg , 1.8 kg , _____ , _____.

(4 marks)

2. Match.



Pentagon

Triangle

Rectangle

Hexagon

(4 marks)

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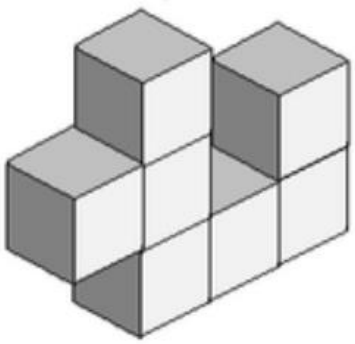
3. a) Fill in.

A cuboid has _____ faces, _____ edges and _____ vertices.

b) What is the volume of the shape below?



Ans: _____

(4 marks)

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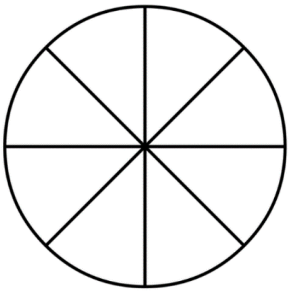
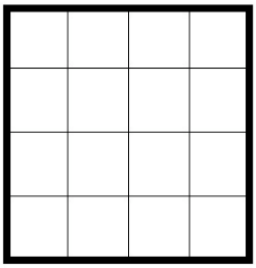
4. a) Colour 25% of each diagram.

i) 

ii) 

b) Work out 75% of €80.

Ans: € _____

(6 marks)

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5. A number is chosen at random from the following numbers.

11 , 13 , 18 , 14 , 16 , 15

Match the probability that you get

a) a multiple of 5 is

b) a whole number is

c) an odd number is

d) a number less than 11 is

Certain

Impossible

Evens

Unlikely

(4 marks)

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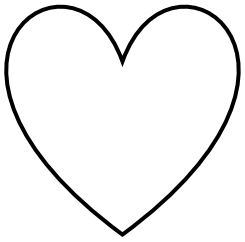
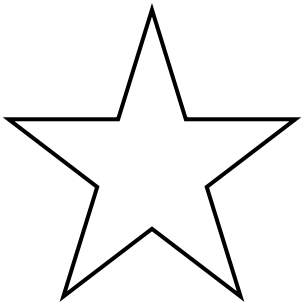
6. a) Draw the lines of symmetry.

i) 

ii) 

b) Each side of the 5-pointed star is 4 cm long.

Work out the perimeter of the star?

Ans: _____ cm

(6 marks)

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7. a) Write the following numbers in order, starting from the smallest.

729 , 290 , 792 , 927 , 279

_____ , _____ , _____ , _____ , _____

b) i) Fill in:

Percentage	Fraction	Decimal
50%		

ii) Simplify: $\frac{15}{27}$

Ans: _____

(6 marks)

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8. a) i) Use your protractor to draw and label an angle of 75° at A.

ii) Underline the correct answer.

Angle A is (acute, obtuse, reflex).

b)

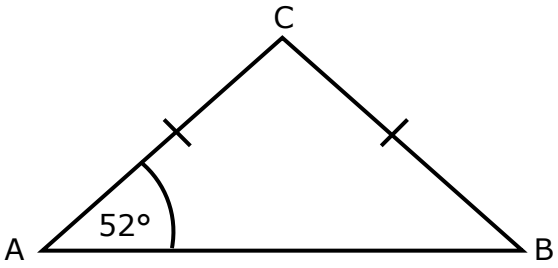


Diagram not drawn to scale.

i) Underline the correct answer.

Triangle ABC is (scalene, isosceles , equilateral).

ii) The size of angle B = _____ °

iii) Angles in a triangle add up to _____ °

iv) The size of angle C = _____ °

(8 marks)

9. The list below shows the salads ordered at a restaurant on a particular day.

Chicken	Salmon	Tuna	Salmon	Tofu	Chicken	Salmon
Salmon	Tuna	Chicken	Cheese	Chicken	Tuna	Cheese
Chicken	Cheese	Salmon	Tuna	Chicken	Tofu	Chicken

a) Fill in the following frequency table.

Type	**Frequency**
Chicken	
Tuna	
Salmon	
Cheese	
Tofu	

b) How many salads were ordered on that particular day?

Ans: _____

c) Which was the most popular salad?

Ans: _____

d) Write the number of cheese salads as a fraction of the total number of salads ordered in its lowest form.

$$\frac{\text{number of cheese salads ordered}}{\text{total number of salads ordered}} = \frac{\square}{\square}$$

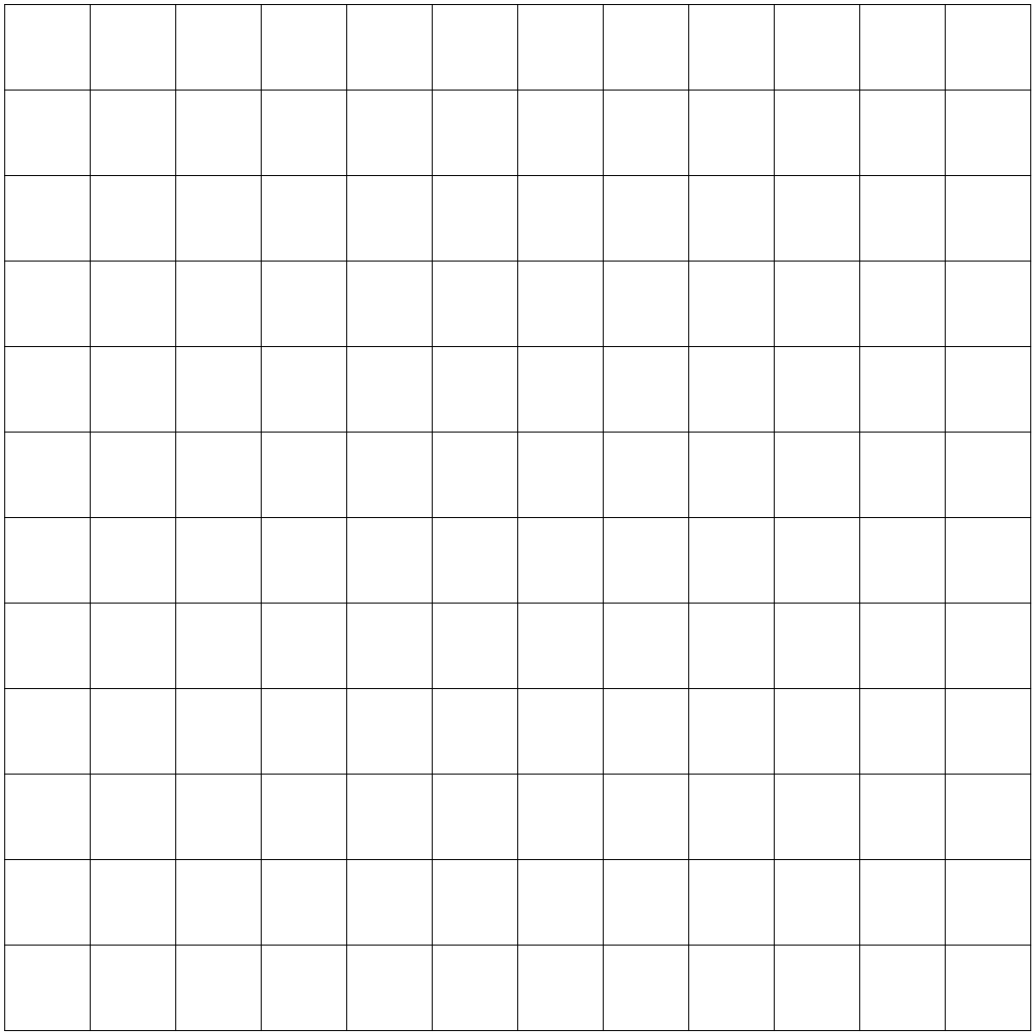
Ans: _____

e) A family ordered two chicken salads and a tuna salad. Chicken salads cost €8.75 each and tuna salad costs €5.95. How much did the family spend?

Ans: €_____

(11 marks)

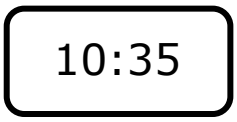
10. a) On the grid below draw three rectangles each with an area of 24 squares.



b) Shade the rectangle which has the smallest perimeter.

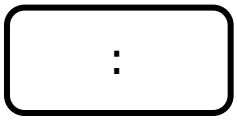
(8 marks)

11. a) i) Write the time in words.



_____

ii) Write **quarter to eight** in digital form.



b) The Winter Games were held between 4th and 20th February 2022.

February 2022						
Sunday	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
		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					

i) On which day of the week did the Winter Games start?

Ans: _____

ii) How many Saturdays were there during the Winter Games period?

Ans: _____

iii) On a particular day, 982 persons went to watch the Winter Games. Write this number in words.

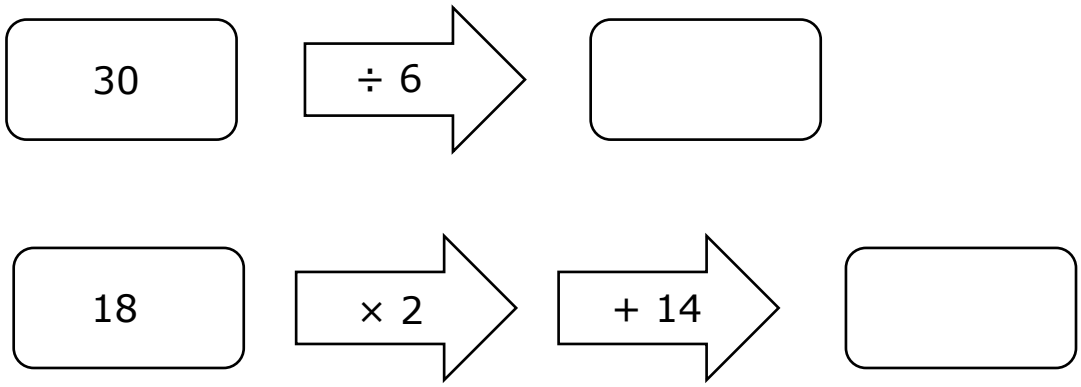
Ans: _____

iv) What day of the week was 30th January 2022?

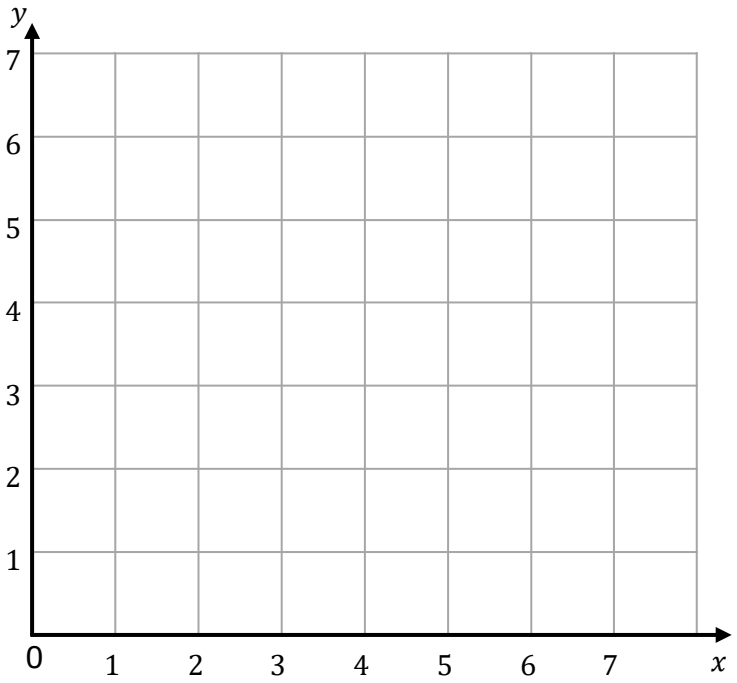
Ans: _____

(6 marks)

12. a) Work out the number machines.



b)



i) Plot and label the points A(1 , 2) and B(3 , 6).

ii) Move point A five squares to the right and four squares up. Label it as C.

iii) Join AB. Write the coordinates of another point on line AB.

Ans: _____

(8 marks)

END OF EXAMINATION

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