THE MILESTONE EXAMINATIONS 2024

PRIMARY SEVEN SET II

MATHEMATICS

Time allowed: 2 hour 30 minutes

Index No.	EMIS No.						Personal No.		

Candidate's Name: ……...

Candidate's Signature: …….

School Random Number: ……..……...

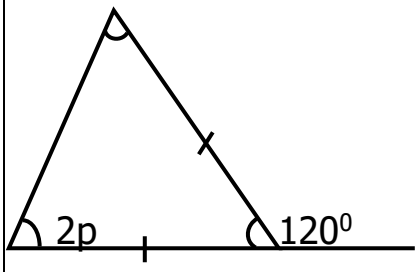
Read the following instructions carefully;

1. This paper has two sections: **A** and **B**
2. Section **A** has **20** questions **(40 marks)**
3. Section **B** has **12** questions **(60 marks)**
4. Answer all questions. All the working for both sections **A** and **B** must be shown in the spaces provided.
5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will **NOT** be marked.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated **"For Examiners' use only"** and the boxes inside the question paper.

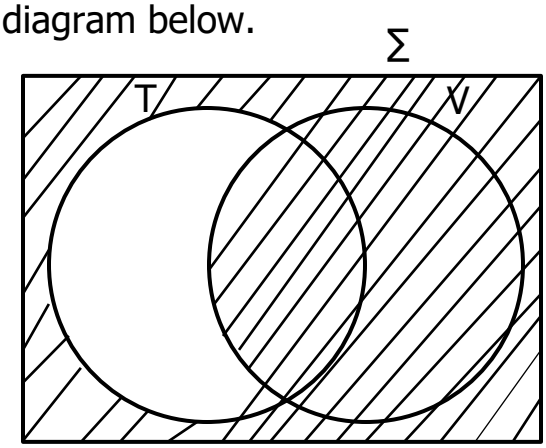
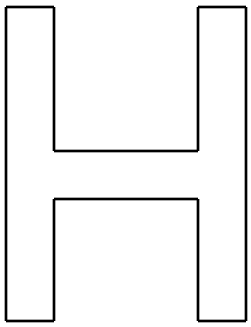
A product of Milestone Educational Consultancy.

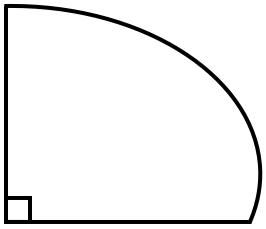
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR's No.
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-29		
30-32		
TOTAL		

 Turn Over

SECTION A (40 MARKS)			
1	Multiply 3 x 5 using repeated addition.	**2**	Write CXCIV in words
3	Given that set Q has 31 proper subsets. How many elements does set Q have?	**4**	Find the next number in the sequence: 7, 11, 20, 36, 61 _____
5	Simply 5p – r + P + 7r.	**6**	Find the value of P in the figure below. 
7	Express 72km/h as m/s	**8**	Round off 59.98 to one decimal place

***Email**: milestoneeducational1@gmail.com MEB Tel: +256751488579(Wstp) / +256777943404*

9	How many quarter litre packets of cooking oil can be got from a 20 litre jerrycan of cooking oil?	**10**	In a P.7 class, there are 30% more boys than girls. Find the percentage of boys.
11	Describe the shaded part in the Venn diagram below. 	**12**	How many lines of folding symmetry has the figure below? (show them). 
13	find the least number of sweets such that when divided by 6 boys, 2 remain and when divided by 8 girls 4 remain.	**14**	Work out 12 ÷ (7 - 3) + 7.

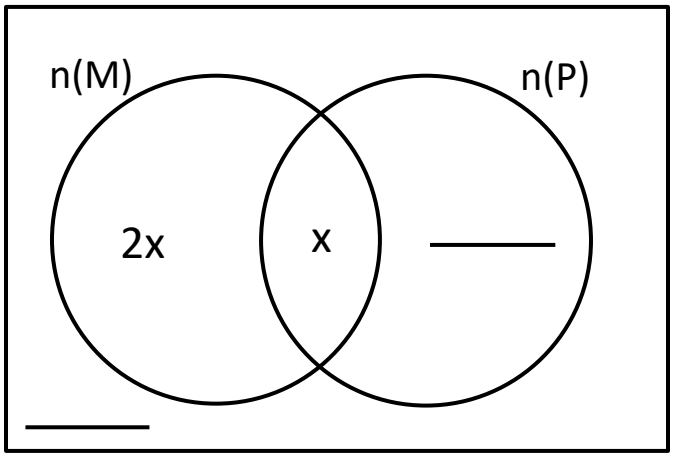
15	Calculate the perimeter of the figure below. (Use π as $\frac{22}{7}$)  	**16**	If 4 men take nine days to complete a job. How long will 12 men take to finish the job at the same rate?
17	Simplify $\bar{9} - \bar{6}$.	**18**	The average mass of 3 boys is 24 kg. If the mass of the two boys is 50 kg. Find the mass of the third boy.
19	Using a ruler, a pencil and a pair of compasses only. Construct an angle of 75^0	**20**	Use the distributive property to workout (126÷3) + (27÷3)

SECTION B (60 MARKS)

21 At a birthday party attended by guests. 2x guests took Mirinda (M) only, (x+10) guests took Pepsi (P) only. x guests took both Mirinda and Pepsi while 2 guest took none of the two drinks.

a) Use the above information to complete the Venn diagram below.

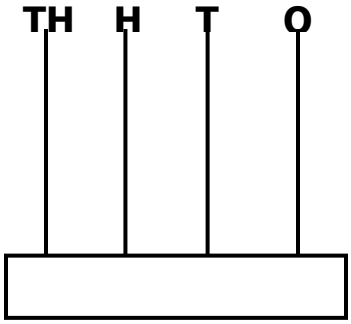
n (∑) **2 Mks**



b) If 32 guests took Pepsi altogether, how many pupils took both Mirinda and Pepsi? **(2 Mks)**

c) How many guests attended the party? **(1 Mks)**

22 a) Given the number 2,045. Show the number on the abacus below. **(2 Mks)**



b) Write the given number above in scientific notation. **(2 Mks)**

c) Expand the given number using exponents. (**2 Mks)**

23 Teacher Venekent went to the market and bought the following items.

2kg of sugar at Shs. 4,000 a kg.

500g of meat at Shs. 15,000 per kg.

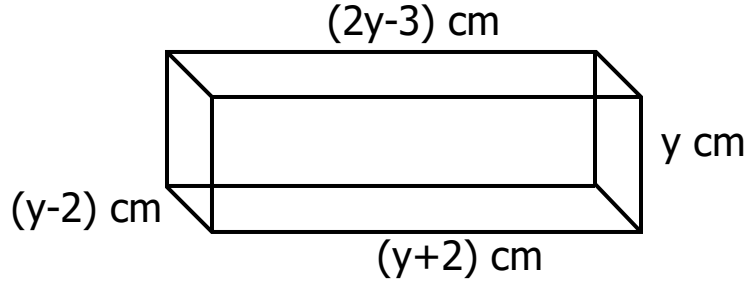
12 mangoes at Shs. 1,000 for every 3 mangoes.

10 tomatoes at Shs. 3,000.

a) How much did he spend altogether. **(4 Mks)**

b) If Teacher Venekent remained with shs.17,500, after buying all items, how much did he have at first? **(1 Mk)**

24 The figure below is a cuboid, study and use it to answer the questions that follow.



a) Find the value of y. **(2 Mks)**

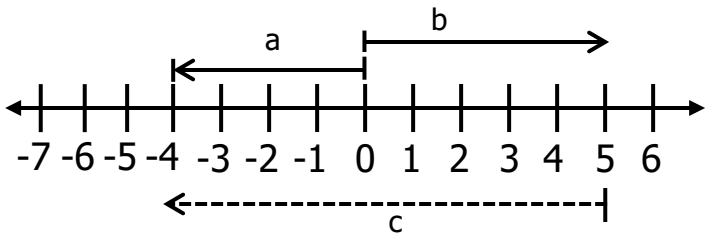
b) Calculate the volume of the cuboid. **(3 Mks)**

25 A family eats a total of 93kg of rice for three consecutive days. It eats two more kilograms than the previous day.

a) If p kg of rice are eaten on the second day, find the value of p. **(3Mks)**

b) How many kilograms of rice are eaten on the third day. **(2 Mks)**

26 Use the number line below to answer the questions that follow.



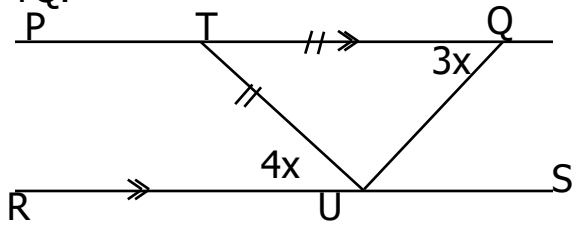
a) Write the integers represented by the arrows. **(1 Mk each)**

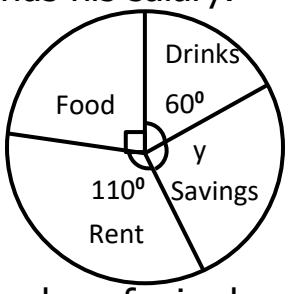
(i) a_____

(ii) b_____

(iii) c _____

b) Write a mathematical sentence represented on the number line above. **(2 Mks)**

27	A motorist left town P at 3:00pm and reached town Q at 5:00pm after traveling at an average speed of 84km/h. a) How long did the motorist take to travel from town P to town Q? **(2 Mks)**	b) Find the distance between town P and town Q. **(2 Mks)**
28	a) Change $\frac{1}{4}$ to a decimal. **(2 Mks)**	b) Work out $\frac{40.85 + 14.4}{24.5 - 13.45}$ **(3 Mks)**
29	In the diagram below, line PQ and line RS are parallel to each other $\overline{TU} = \overline{TQ}$.  a) Find the value of x in degrees. **(3 Mks)**	b) Calculate the size of angle QTU. **(2 Mks)**

30	a) Using a ruler, a pencil and a pair of compasses only, Construct a triangle XYZ in which XY= 6cm, angle ZXY = 45^0 and angle XYZ = 60^0. **(4 Mks)**	b)Measure <XYZ. **(1 Mk)**
31	a) If a = 3, b = -4 and c = 6. Find the value of $\frac{ab}{c}$	b) Alfred is thrice as old as Wilfred. In 2 years' time, the sum of their age will be 34 years. How old is Alfred now?
32	The pie chart below shows how Mr. Edison spends his salary.  a)Find the value of y in degrees. **(2 Mks)**	b) If he spends shs.36,000 on drinks. Find his salary. **(2 Mks)** c) Express the food sector as a fraction. **(1 Mk)**

END

***Email**: milestoneeducational1@gmail.com MEB Tel: +256751488579(Wstp) / +256777943404*