NAMAGUNGA PRIMARY BOARDING SCHOOL

P.6 EXTRA EXAMINATION SET II - 2020

MATHEMATICS

Time allowed: ***2 Hours 30 Minutes***

Name:…… Stream :……

Read the following instructions carefully:

1. This paper has **two** Sections: **A** and **B**.
2. Section **A**, has **20** short answer questions (40 marks)
3. Section **B** has **12** questions (60 marks).
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in spaces provided.
5. All answers must be written using a blue or black ballpoint pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

A	
B	
TOTAL	

FOR EXAMINERS' USE ONLY		
QN. NO	**MARK**	**SIGN**
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

1. Subtract 72 from 101.

2. With the help of a Venn diagram, show that all ladies (L) are female (F).

3. Express a fortnight in days.

4. Work out;

Kg	**g**
12	650
+ 9	780

5. Using a ruler, sharp pencil and a pair of compasses only construct an angle of 30^0.

6. One dollar costs Ug. sh.3,850. What will be the cost of 17 dollars?

7. Work out: $-4 + {}^{+}11$

8. During the lockdown, Andiru moved a distance of 60 km from Lugazi to Kampala in only 2½ hours. What speed did she use?

9. If represents 1,200 Bukedde news papers. Draw the diagram to represent 13,200 copies of Bukedde news papers.

10. Find the reciprocal of 10 (show the working)

11. What is the next number in the sequence?

    1, 3, 9, 27 , _____

12. Work out: 456 × 24.

13. If one square metre = (100 × 100) square centimetres, how many square centimeters are there in 90 square metres?

14. Work out the additive inverse of $^{+}52$.

15. Given that p= 4, Find the value of $5p^3$.

16. Musoke sold a bicycle at sh.225,000 making a loss of sh.75,000. At what price did he buy the bicycle?

17. Today is Wednesday. What day of the week was it 98 days ago?

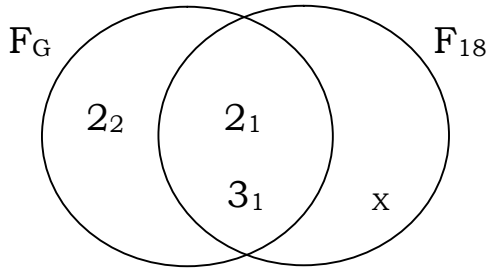
18. How many 300 millilitres are there in 3 litres of soda?

19. In a basket there are 4 oranges, 3 onions, 5 tomatoes and 6 gallics. What is the probability of Oudo Michelle picking an orange from the basket?

20. Round off 6,084 to the nearest hundreds.

SECTION B

21. Study the diagram below and answer the following questions.



a) Find the value of G. (1mark)

b) Calculate the value of x. (1mark)

c) What is the GCF of G and 18? (1mark)

d) Workout the LCM of G and 18. (1mark)

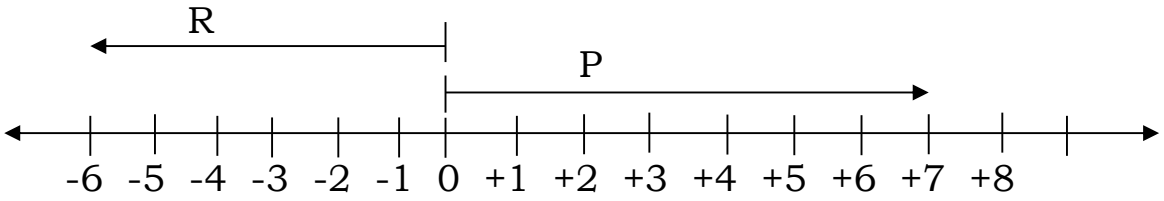
22 (a)Complete the bill table below. (5marks)

Items	**Quantity**	**Unit Cost**	**Amount**
Sugar	$3\frac{1}{2}$kg	sh. 3,200	sh. .....
Salt	500g	sh. ..... per kg	sh. 1,400
Bread	.....loaves	sh. 4,500	sh. 9,000
Rice	5kg	sh.	sh. 20,000
Total expenditure			sh. .....

(b) If Namata went with a fifty thousand shilling note, calculate her change.

(1mark)

23. Use the number line below to answer the following.



(a) Identify the integers represented by the letters. (1mark@)

i. R

ii. P

iii. Q

(b) Write a mathematical sentence for the above number line. (2marks)

24(a) With the help of a ruler, a sharp pencil and a pair of compasses only, construct triangle LMN where $\overline{LM}$ = 8cm, $\overline{MN}$ = 7cm and $\overline{LN}$ = 5cm

(4marks)

(b) Name the type of the triangle you have constructed in (a) above.

(1mark)

25. Muloki is thrice as old as his son. Their total age is 84years.

(a) How old is his son? (3marks)

(b) Find the difference between their ages. (2marks)

26. (a) Workout: (2marks)

$$\begin{array}{r} 4\ 4\ 1_{\text{five}} \\ -\ 2\ 2\ 3_{\text{five}} \\ \hline \end{array}$$

(b) Change 123_{five} to base four. (3marks)

27 (a) The sum of 4 consecutive even numbers is 100. What are the numbers?

(4marks)

(b) Find the square of the second number. (1mark)

28. During the sports day, three points were awarded as shown on their cards below:

4	0	2

(a) Form all the three digit even numbers using the above digits.

(4marks)

(b) Express the smallest number formed in Roman numerals.

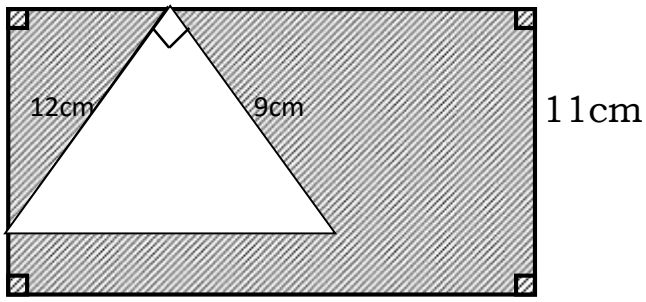
(1mark)

29. In a class of 144 pupils, $\frac{2}{3}$ are boys and the rest are girls.

(a) How many girls are in that class? (3marks)

(b) How many more boys than girls are in the class? (2marks)

30. Study the figure below and answer the questions that follow.



(a) Find the area of the shaded region. (5marks)

31(a) Change 23:22hours to a 12 hour clock system. (2marks)

(b) A truck driver from Elegu boarder point presented his samples for testing at 11:15a.m and received the results at 3:06p.m. How long did it take him to get the results?

32. Study the table below showing marks scored by five pupils in a certain Maths test.

Names	**Babyesiza**	**Barungi**	**Batanda**	**Bamwine**
Marks scored	75%	100%	65%	80%

(a) Who got the highest mark?

(b) Find their median mark.

(c) Workout their average mark.

End