# NAMAGUNGA PRIMARY BOARDING SCHOOL

P.6 EXTRA EXAMINATION SET II - 2020

### **MATHEMATICS**

2 Hours 30 Minutes

Time allowed:

Name:	Stream :

## Read the following instructions carefully: FOR EXAMINERS' USE ONLY 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

A	
В	
TOTAL	

examiner's 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  $30^{\circ}$ .

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  $2\frac{1}{2}$  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?

12. Work out: 456 × 24.

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

14. Work out the additive inverse of +52.

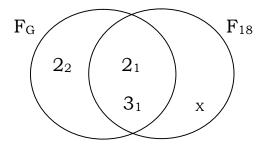
15. Given that p=4, Find the value of  $5p^3$ .

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.

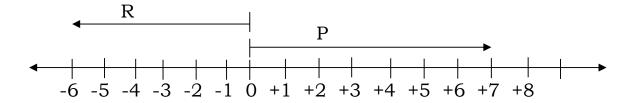
(5marks)

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 expend		
			sh

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

(1mark)

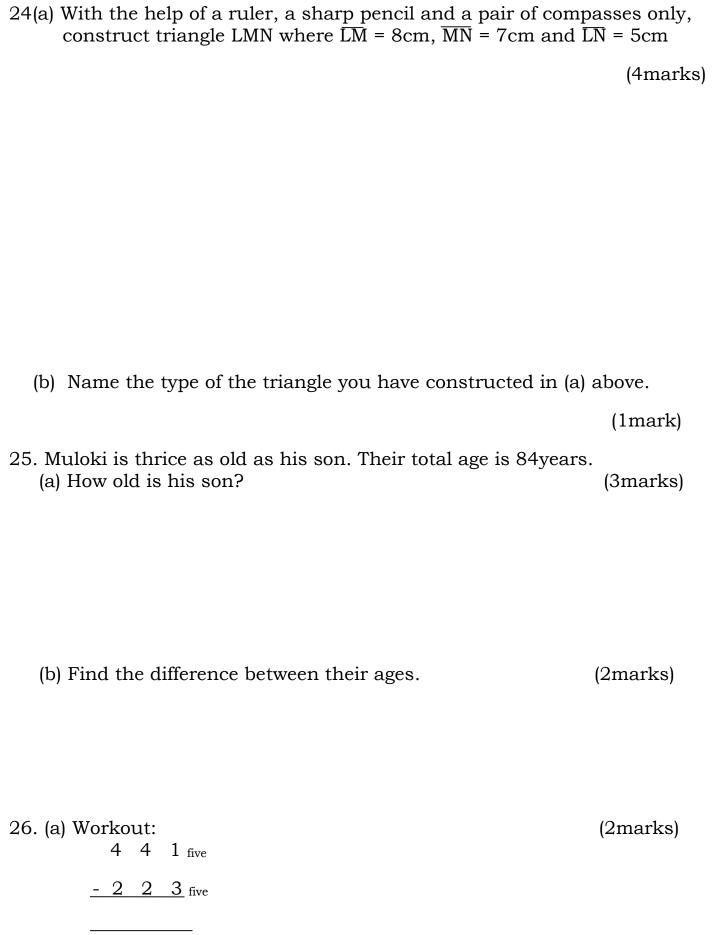
23. Use the number line below to answer the following.



(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)



(b) Change 123 five to base four.	(3marks)
27 (a) The sum of 4 consecutive even numbers is 100. Wh	nat are the numbers? (4marks)
(b) Find the square of the second number.	(1mark)
28. During the sports day, three points were awarded as below:	shown on their cards

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

(4marks)

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

(1mark)

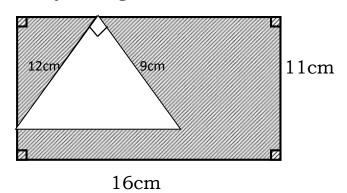
- 29. In a class of 144 pupils,  $\frac{2}{3}$  are boys and the rest are girls.
  - (a) How many girls are in that class?

(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 hc	ur c	lock	svstem
~ - (	~,	0		00 00		· • • •		J ~ ~ ~ ~ .

(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