

**BUKALIKHA CO-ORDINATING CENTRE**  
**END OF TERM II EXAMINATION 2023**

**SUBJECT** : MATHEMATICS  
**CLASS** : PRIMARY SIX  
**DURATION** : 2 HOUR 30 MINUTES  
**PUPIL'S NAME** : \_\_\_\_\_  
**SCHOOL** : \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**  
**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

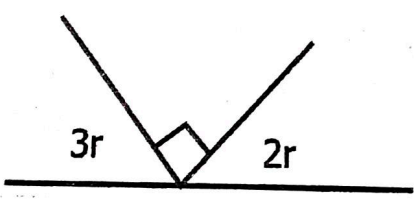
1. This paper is made up of two sections A and B.
2. Section A has 20 questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated For Examiner's use only

**FOR EXAMINERS' USE ONLY**

PAGES	MARKS	SIGN
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
Page 9		
TOTAL		

-----  
**Turn Over**

# MATHEMATICS (PRIMARY SIX)

1. Add: $18 + 20 =$	6. Simplify $+6 - 2 =$
2. Convert 1.8kg to grammes.	7. Write forty three thousand eighteen in figures.
3. If $P = \{a, b, c\}$ Find the number of subsets for set P.	8. Find the next numbers in the sequence. 1, 8, 27, 64, _____, _____
4. Find the value of r. 	9. Six people can dig a garden in 5 days. How many days will 10 people take to dig the same garden?
5. After selling a shirt at sh. 75,000 a trader made a profit of sh. 11,000. What was the cost price of the shirt?	

10. Musa borrowed sh. 300,000 from a bank which offers an interest rate of 10% per year for 2 years. How much interest did he pay?

11. Work out:

Weeks	Days
2	4
+ 3	5
<hr/>	
<hr/>	

12. Write XCIX in Hindu Arabic numerals.

13. Change 123 ~~Five~~ to decimal base.

14. Arrange  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{2}{3}$  and  $\frac{1}{4}$  in ascending order.

15. A car travels at a speed of 60km/hr. Calculate its distance in 5 hours.

16. If 3kg of meat cost sh. 45000, what is the cost of 2kg of meat?

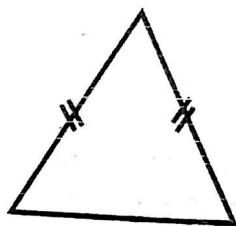
17. Akuku is the 7th girl from both sides one the line. How many girls are on the line?



18. In a bucket, there are 5 red pens and 7 blue pens. What is the probability of picking a blue pen at random?

19. An exam started at 8:00am and ended at 10:15am. How long did the exam take?

20. How many lines of folding symmetry has the figure below.

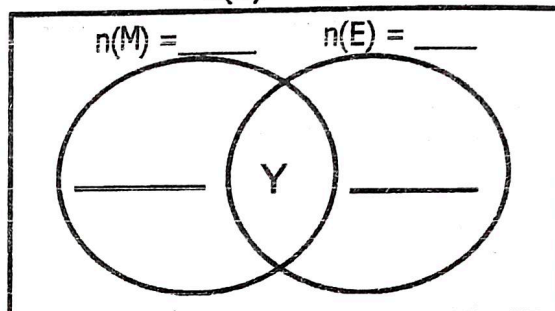


## SECTION B

21. In a class of 40 pupils, 26 pupils like Mathematics (M), 18 pupils like English (E) and Y pupils like both Mathematics and English.

- a. Represent the above information on the venn diagram below.

$n(E) = 40$  (2mks)



- b. Find the value of y. (2mks)

- c. How many pupils like only one subject.

22. Two bells are used in Busamba P/S at intervals of 30mins and 40mins for lower and upper Primary respectively.

(a) After how many minutes will they ring at the same time?

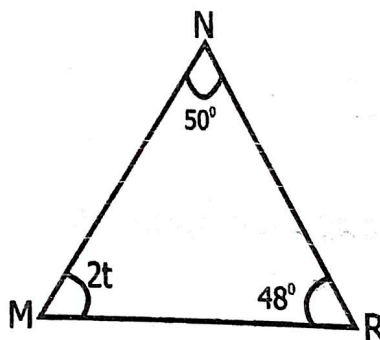
b). They are first rung together at 8:45am, when will they ring together again? (2mks)

23. The sum of three consecutive even numbers is 36.

a. Find the numbers. (4mks)

b. Work out the range of the numbers. (1mk)

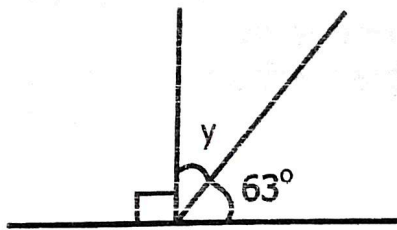
- 24 (a). Find the value of the unknown.



(2mks)

5.

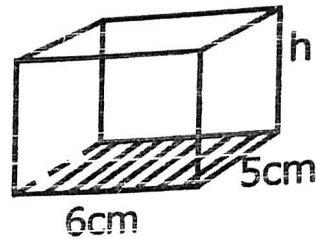
b.



26.

Below is a cuboid whose volume is  $120\text{cm}^3$

(3mks)



a. Find the value of  $h$ .

25. In a school of 480 pupils, the ratio of boys to girls is 3:5 respectively.

a. What fraction of the pupils are girls. (1mk)

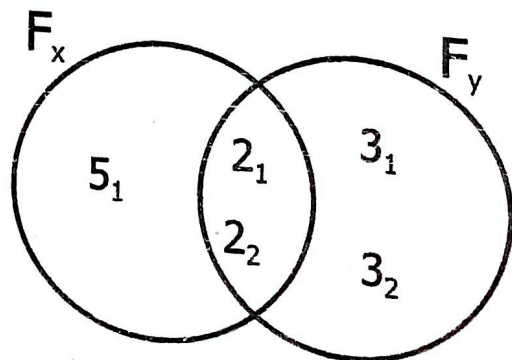
b. How many girls are there in the school. (2mks)

c. How many more girls than boys are there in the school. (2mks)

b. Calculate the base area of the cuboid.

(2mks)

27. The venn diagram below shows prime factors of  $x$  and  $F$



(2mks)



a). Find :  
i. The value of x. (1mk)

ii. The value of y. (1mk)

b. Work out  
i. The GCF of x and y (1mk)

ii. The LCM of x and y (2mks)

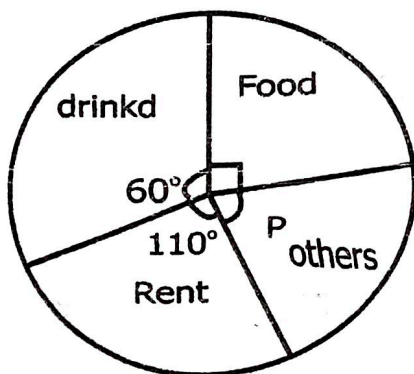
a. Find the value of P. (2mks)

b. How much does he spend on food? (2mks)

c. Change the degrees of others as a fraction. (1mk)

29. Simplify:  $\frac{0.24 \times 0.36}{0.8 \times 0.6}$  (3mks)

28. The Pie-chart below shows how a man spends sh. 360,000.



30

Using a sharp pencil, a ruler and a pair of compasses only, Construct a triangle ABC Where  $AB=5\text{cm}$ ,  $BC=4\text{cm}$ , and  $\angle ABC = 90^\circ$ .

(4mks)

b. Measure AC in centimetres.

31

Mr. Wesoga used two builders and three porters to build a house. Each builder was paid sh. 10,000 per day while each porter was paid sh.5000 per day

a. How much did he pay the builders for two days.

b. How much did he spend building the house for one day.

32.

Study the table below about P.6 scores in a test at Budibya Primary School.

scores	90	80	50	20
pupils	1	2	3	1

a. How many pupils did the test?

b. What is the modal frequency of P.6 score

(2mks)

c. Calculate the mean score of P.6 class.

(2mks)