GOLDENBELLS PRIMARY SCHOOL
INTERNAL MOCK EXAMINATIONS
SET I

MATHEMATICS

Time allowed: 2 hours 30 minutes

Index N0.

Candidate's Name: ……

Candidate's Signature: ……

School Name: ……

FOR EXAMINER'S USE ONLY

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 20 short 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 the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may 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 boxes indicated for Examiner's use only.

FOR EXAMINER'S USE ONLY		
Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 - 42		
TOTAL		

Turn over

SECTION A:

1. Work out: 289 + 43

2. Write in figures: Seventeen thousand eighty.

3. Write 94 in Roman numerals.

4. Given that set P has 15 proper subsets. How many elements in set P?

5. Find the are of a triangle whose base in 9cm and height 3cm.

6. Two angles $x + 40^0$ and $2x - 10^0$ are supplementary angles. Find the value of x.

7. 5 cakes cost sh. 4000. How many cakes can one buy with sh. 16000?

8. Simplify: 7t – 8k + 5k

9. Divide 6363 by 7

10. Work out: $\frac{2}{3} - \frac{1}{4} \div \frac{2}{3}$

11. A lesson started at 19:00a.m. and ended at 1:10p.m. How long did it take?

12. Simplify: $^{+}4 - ^{-}6$

13. Increase 600kg by 10%.

14. Using a ruler, a pencil and a pair of compasses only, construct an angle of 45^{0} in the space below.

15. Solve: $x + 3 = 2 \pmod 5$

16. Given that $a = 1/4$ and $b = 1/12$. Find the value of a/b.

17. What is the smallest number that can be divisible by either 6 or 8 and leaves 5 as the remainder?

18. Change 123_{five} to base ten.

19. Write $\frac{3}{4}$ as a decimal.

20. Find the square of the next number in the sequence:
1,3, 5, 7, 9, _____

SECTION B: (60 MARKS)

21. Musamali bought the items in the table below from a shop.

(a) Complete the table. (4mks)

Item	Price	Amount
……bars of soap	Sh. 2,200 per bar	Sh. 6600
2 loaves of bread	Sh. ……per loaf	Sh. …….
2½ kg of salt	Sh 800 per kg	Sh. ……..……

TOTAL EXPENDITURE	Sh. ……..

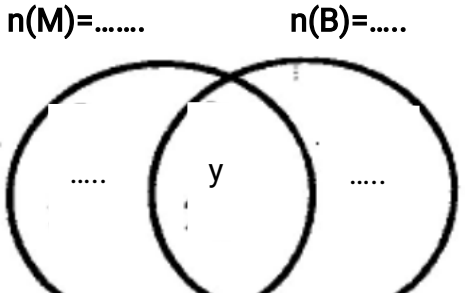
(b) If he remained with sh. 3000. How much did he have at? (2mks)

22. (a) Express 0.00486 in standard form. (2mks)

(b) Prime factorize 72 and write your answer in multiplication form. (2mks)

23. In the village of 49 farmers, 20 grow millet (M) 25 grow beans (B) and y grow both millet and beans. 8 farmers grow neither of the two food crops

(a) Use the information given above to complete the Venn diagram below. (3mks)



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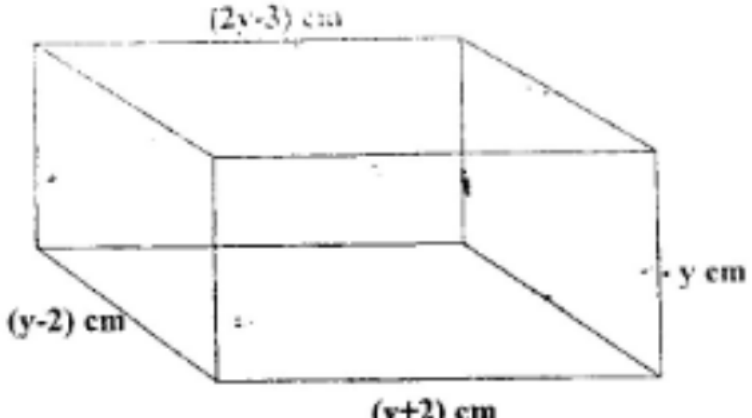
(b) Find the value of y. (2mks)

24. Solve the inequality: $3(y - 1) \leq 9$. (3mks)

(b) Give the solution set for the above inequality (1mk)

25. The figure below is a cuboid. Study it and answer the questions that follow.



59)

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

(b) Find the volume of the cuboid. (3mks)

26. Kato wrote three – digit numbers the digits: 1 3 and 6

(a) Write down all the possible 3 digits numbers Kato wrote. (3mks)

(b) Find the sum of smallest and biggest three digit number Kato can form using the above digits. (2mks)

27. Given that a =4, b=$^{-}$3, find the value of $\frac{4a - 3b}{2a + b}$. (3mks)

(b) Solve $\frac{t + 8}{2} = \frac{7t - 4}{4}$ (3mks)

28. (a) In Corona Primary School, $\frac{1}{3}$ of the pupils in P.7 like Matooke, $\frac{2}{5}$ of the remainder like Rice. The rest of the pupils like posho. If those who like posho are 42, find the total number of pupils in P.7. (5mks)

29. The table shows the scores of the a group in a class.

Marks	80	k	90	70

No. of pupils	2	3	1	4

(a) How many pupils did the test? (2mks)

(b) If the mean mark was 71, find the value of k. (3mks)

30. The average age of 5 girls is 13 years. If two girls ages are 14 years and 12 years join the group:

(a) Calculate the average age of all the girls. (4mks)

(b) If a girl who is 5years old later leaves the group, work out the average of the remaining six girls. (2mks)

31. Precious sold her radio to Anita for sh. 63,000 making a loss of 10%. Anita sold the same radio also to Kanyike at a profit of 15%.

(a) Calculate the amount of money Precious paid for the radio. (2mks)

(b) How much money did Anita sell the radio? (2mks)

32. Using a pair of compasses, ruler and pencil only, construct the square PQRS of side 6cm. (5mks)

Good Luck