ALPHA TOWN SCHOOL - KISIITA
PRE - MOCK EXAMINATION
PRIMARY SEVEN
MATHEMATICS

Time Allowed: 2 hours 15 minutes

Random No:						Personal No:		

Candidate's Name: ....

Candidate's signature: ....

District ID No: | | | | | | DISTRICT NAME ....

School Name: ....

Read the following instructions carefully :

1. Do not forget to write your **school** or **district** on the paper
2. This paper **has** two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a **blue** Or **black** ball point pen or ink. Any work Written in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated **"FOR EXAMINER'S USE ONLY"**

FOR EXAMINER'S USE ONLY		
QN. NO.	MARKS	EXR'S NO.
1 -10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

TURN OVER

SECTION A

1. Subtract:

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    4 7 2
  - 3 6 1
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2. Write 93, 044 in words.

3. Workout: $6 \div 5 =$ _____ (finite 7)

4. Circle all numbers divisible by 6 in the list below.

3616, 1722, 5814, 6316

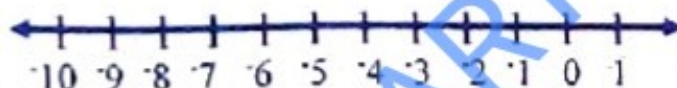**5. Find the radius of circular ring whose diameter is 28cm.**

6. Construct an angle of 150° in the space provided below, using a ruler and a pair of compasses.

7. Simplify: $5k - 7k + 8k$

8. A retailer packed 2/3 kg of tea leaves into 1/9 kg packets, how many packets did she obtain?

9. An examination ended at 11:00a.m. If it lasted for $2\frac{1}{2}$ hours, at what time did it start?

10. Use the number line shown below to work out ‑5 - ‑9

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<-+--+--+--+--+--+--+--+--+--+--+->
 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  0  1
```

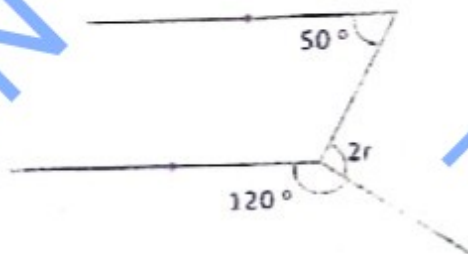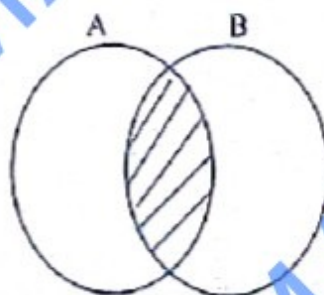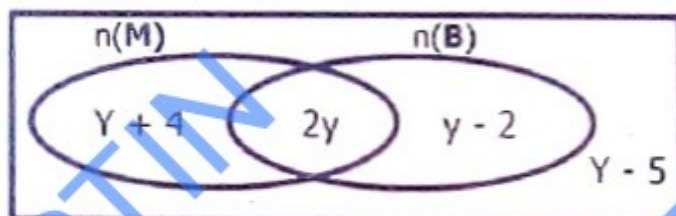|	
11. Express 36400 in scientific notation.	12. Given that a = ˉ2 and b= 3. Find the value of $a^2 - ab$.
13. The cost of 2 dozens of exercise books is sh.30,000. Find the cost of six similar exercise books.	14. Express 2500 metres as kilometres.
15. Find the highest number of boys that can exactly share 12 or 18 mangoes leaving no remainder.	16. In the figure below, find the value of r in degrees. 50° 2r 120°
17. A parent went to the bank and paid school fees. If she paid fifty thousand shilling notes numbered consecutively from **ZA7359981** to **ZA7360010**, how much school fees did the parent pay?	18. In the Venn diagram below, describe the unshaded part. A B

19. A trader borrowed sh.2,000,000 from a money lender who charges an interest of 20% every after 3 months. How much interest did the trader pay at the end of 3 months?	20. Express 00:40hr in 12 hour clock system.

SECTION B (60 MARKS)

21. The Venn diagram below shows the number of pupils who like meat (M) and beans (B). Use it to answer questions that follow.
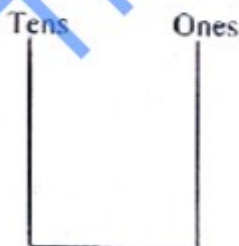

a) If 34 pupils like either meat or beans, find the value of y. (2mks)

b) Find the probability of picking a pupil who likes beans only. (2mks)

22.a) Study the abacus drawn below and use it to represent the number 24_{five}. (3marks)

Tens   Ones

b) Find the value of the unknown base marked k in $32_k = 26_{seven}$. (2marks)

23. Study Wasswa's shopping bill table below and complete it correctly. (4marks)

Item	Unit cost	Amount
3kg of rice	Sh 4,500	Sh. _____
_____ l of milk	Sh 3,000	Sh. 1,500
7 apples	Sh _____	Sh. 10,500
Total expenditure		sh. _____

b) Wasswa was given a discount of sh. 500 on al items. If a shopkeeper was given a fifty thousand shilling note, find Wasswa's change. (2 marks)

24. a) Using a ruler, a pencil and a pair of compasses only, construct triangle ABC where line BC = 7cm, angle BCA = 60^0 and angle CBA = 45^0 (4 MARKS)

b) Measure line AB (1 MARK)

25. The table below shows marks scored by a certain group of P.7 pupils in a Mathematics test. Use it to answer questions that follow.

Marks scored	74	85	56	75	82	50
No. of pupils	1	4	2	6	5	3

a) Find the total marks of pupils who scored above 80. (2 marks)

b) Workout the median mark of pupils who scored below 75.   (3 marks)

26). The number of pupils in a certain school increased by 120 pupils in the ratio of 5/6 :1/2. Find the new number of pupils in the school   (5 MARKS)
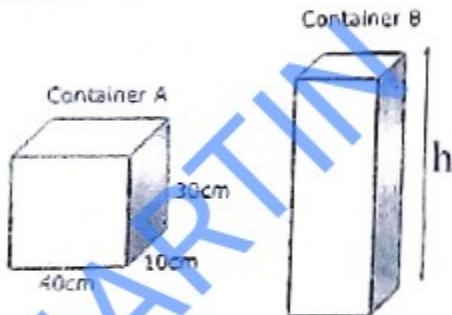
27) In the figure below, A is the centre of the circle of circumference 88 metres. Find the area of the circle that is not shaded. (Use $\Pi = 22/7$)   (6mks)

28. Abdul paid sh. 12,600 for a shirt whose marked price was sh. 14000.
a) Calculate the discount he was offered.   (2marks)

b) If Abdul was also offered the same percentage discount on a pair of trousers whose marked price was sh.20,000, how much did he pay for the pair of trousers?

(4 marks)

29. The diagrams below represent two different containers which hold the same amount of water when completely full. Container A measures 40cm by 10cm by 30cm.
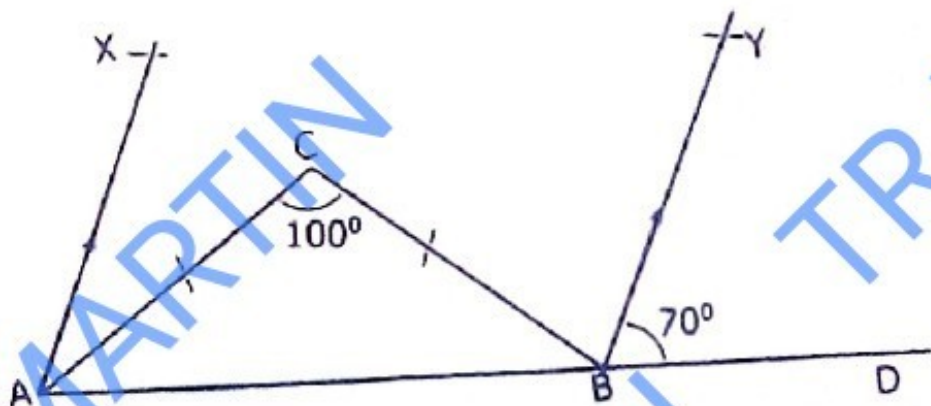
Container B

Container A

30cm

10cm

40cm

h

a) Calculate the number of litres of water that fill container A.   (3 marks)

b) Calculate the height (h) of container B if it has a base area of 200cm².

(2 marks)

30. A motorist drove a car for 240 minutes covering a distance of 360km. calculate the motorist's average speed in metres per second.   (4 marks)

31. The cost of a book in a shop is (3d) shillings. The cost of a book is twice as much as a pen. If the total cost of two items is sh. 3,600, calculate the cost of a pen. (4 marks)

32. In the figure below, line AX is parallel to line BY. Angle ACB is 100^0 and angle DBY is 70^0. Study the diagram and use it to answer the questions that follow.

a) Find the size of angle CBY (3 marks)

b) Find the size of angle CAX (2marks)