



SURE KEY EXAMINATIONS BOARD
LOWER PRIMARY TRANSITIONAL MOCK EXAMINATION

2023

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.						Personal No.		

Pupil's Name:

Pupil's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed pages** altogether
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated: **"For Examiners' Use only"** and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn.No.	MARKS	EXR'S NO.
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
TOTAL		

SECTION A : 40 MARKS

Answer **all** questions in this section

Question **1** to **20** carry two marks each

1. Add:

$$\begin{array}{r} 3\ 4\ 1\ \text{litres} \\ +\ 2\ 1\ 4\ \text{litres} \\ \hline \\ \hline \end{array}$$

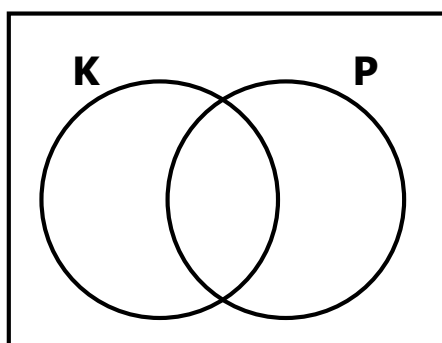
2. Write 1006 in words.

.....

.....

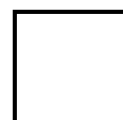
3. Simplify: 4 cakes + 7 cakes – 2 cakes

4. On the Venn diagram below, shade set K and set P



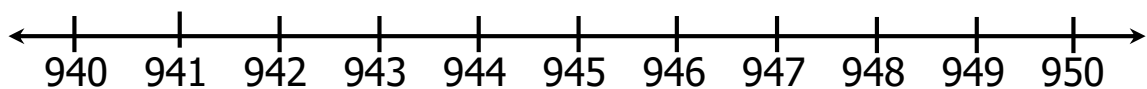
5. Write the next odd number in the sequence:

95, 97, 99,



6. Work out: $\frac{9}{9} - \frac{4}{9}$

7. Use the number line below to round off 946 to the nearest tens.



8. Kasuka bought 4 bottles of water. Each bottle costs shs. 500. How much money did he pay for the 4 bottles?

9. Given the cards below.

X
 $15 - 2$

Y
 4×5

Z
 $16 \div 2$

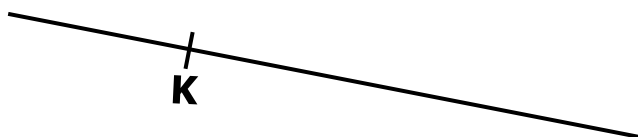
Use the given letters to arrange the cards in order starting with the lowest.

10. Work out:

$$\begin{array}{r}
 70 + 4 \\
 - 20 + 6 \\
 \hline
 \\
 \hline
 \end{array}$$



11. Using a ruler and a protractor only, draw a right angle at point K.

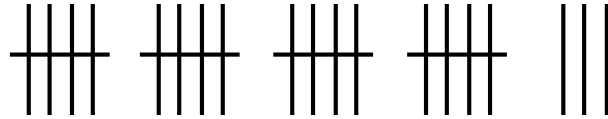


12. Complete correctly:

$$\begin{array}{r}
 26 \\
 \times 3 \\
 \hline
 \square 8 \\
 \hline
 \end{array}$$


13. Convert 600 minutes into hours.

14. The tally marks below show the number of boys in a class of 52 pupils.

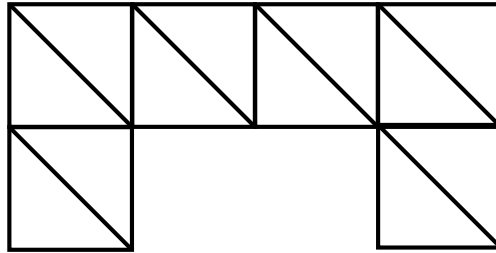


Find the number of girls in the class.

15. Allen had shs 10,000. If 3 notes of 2000 shillings got lost, how much money did she remain with?



16. The area of each small triangle in the figure below is 3cm^2 .



Find the area of the whole figure.

17. Study and complete the statement about sets.

$$\{a, e, i, o, u\} \cup \{b, e, a, n\} = \dots$$

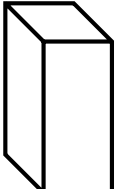
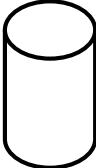
18. Find the value of x : $x + 7 = 13$

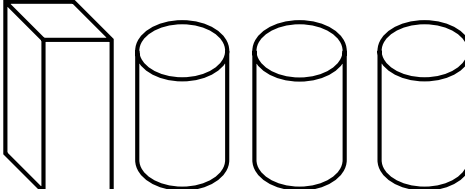
19. Multiples of 12 and 8 are given below.

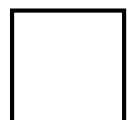
$$M_{12} = \{12, 24, 36, 48, \dots\}$$

$$M_8 = \{8, 16, 24, 36, 48, \dots\}$$

Write the first five multiples of 6 and then find the lowest common multiple (LCM) of 6, 8 and 12.

20. Given that  contains 50 pens and  contains 12 pens.

Find the total number of pens in 



SECTION B : 60 MARKS

Answer **all** questions in this section

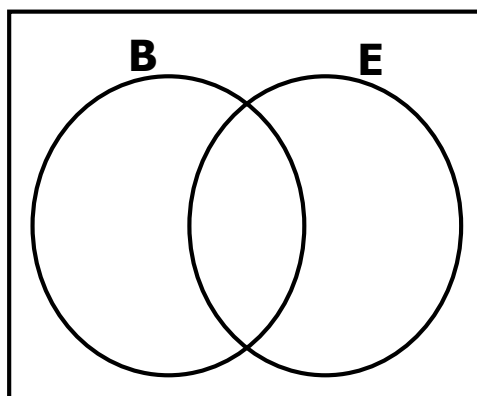
Marks for each question are indicated in brackets

21. On the Venn diagram below, **B** stands for numbers below 8 and **E** stands for even numbers.

- a) Put these numbers in the right place on the Venn diagram below.

(03 marks)

0 12 10 4 7 5 8 2



- b) Find;

i) $n(B)$ (02 marks)

ii) $E - B$ (01 mark)

22. a) Multiply to find square numbers. (01 mark each)

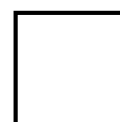
i) $3 \times 3 = \dots\dots\dots$

ii) $6 \times 6 = \dots\dots\dots$

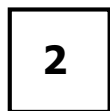
iii) $10 \times 10 = \dots\dots\dots$

- b) Find the sum of the third and the sixth odd numbers.

(02 marks)



23. Here are digit cards. Use them to answer questions that follow.



- a) Use each digit card once to make a number nearest to 900.
(01 mark)
- b) Find the difference between the value of 8 and the value of 5 in the number formed in (a) above.
(03 marks)

24. a) Using a pencil, a pair of compasses and a pencil only, construct a triangle ABC such that $AB = BC = CA = 4\text{cm}$.
(04 marks)

- b) Measure angle ABC. (01 mark)

Angle ZXY =



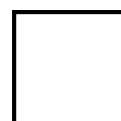
25. a) In the figure below, shade 1 part for every 3 parts. (02 marks)

- b) Change $3\frac{2}{5}$ into an improper fraction. (02 marks)

26. Musa borrowed Sh.100,000 from Majje on condition that Musa would pay him Sh.10,000 every day for two weeks.

- a) How much had Musa paid after the two weeks? (03 marks)

- b) How much more money did Musa pay to Majje? (02 marks)

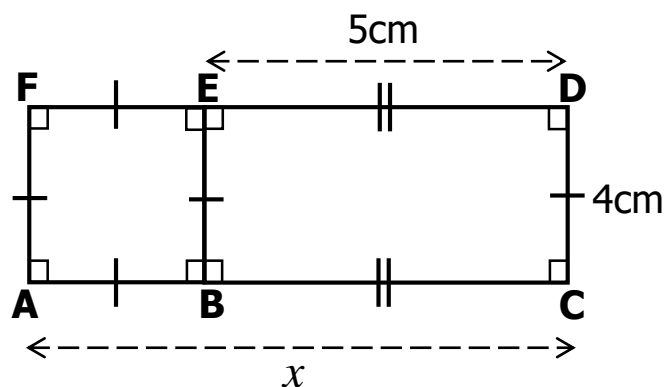


27. Hellen is 5 years younger than Harriet. Hellen is 8 years old.

- a) How old is Harriet? (02 marks)

- b) Find their total age. (02 marks)

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



a) Find the value of x
(02 marks)

b) Calculate the area of ABEF.
(02 marks)

c) Find the perimeter of rectangle ACDF.
(02 marks)

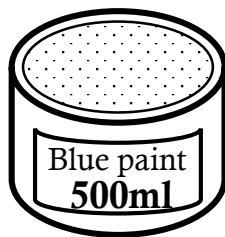


29. In a school of 480 pupils, three eighths of them are boys and the rest are girls.

a) Find the number of boys in the school.
(02 marks)

b) Given that 140 girls are below 10 years. Find the number of girls who are above 10 years.
(03 marks)

30. In an hardware shop, a tin of paint shown in the figure below costs sh. 7000.



One day, a man sold 4 similar tins of paint.

- a) Find in litres the capacity of paint sold if 1 litre = 1000ml.
(03 marks)

- b) How much money did the man make on paint that day?
(02 marks)



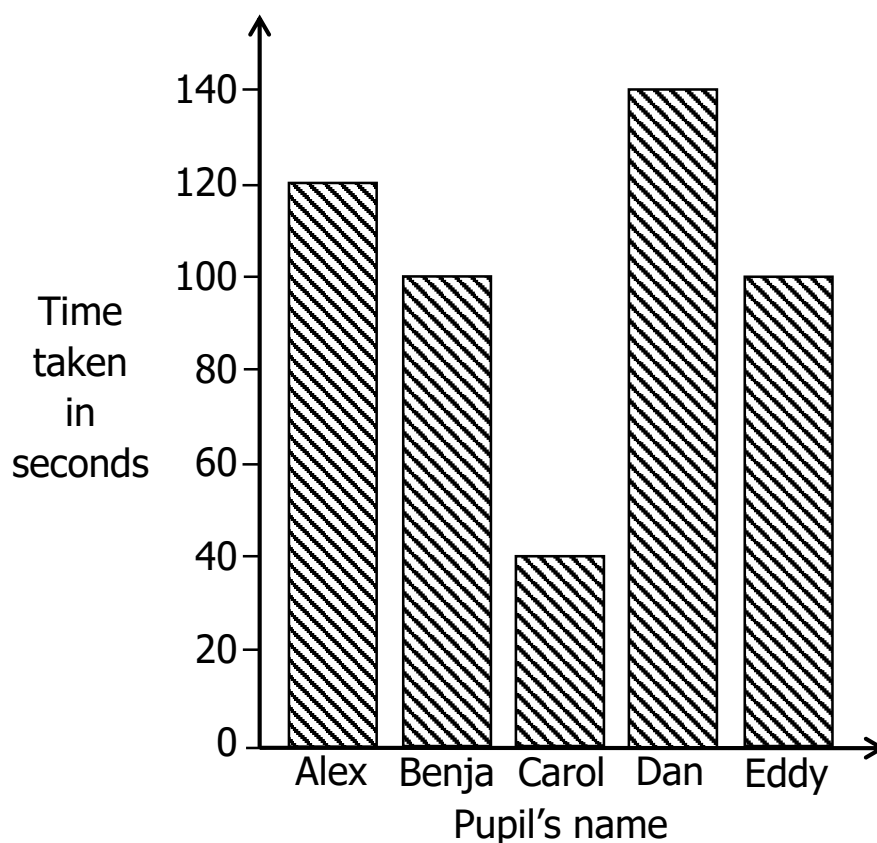
31. Sseggayi bought the following items:

1 book at sh. 3000
1 ruler at sh. 1000
4 pens.

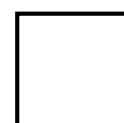
- a) Find the total amount of money he spent on 1 book and 1 ruler.
(02 marks)

- b) If he spent sh.5000 on all items, find the cost of 1 pen.
(03 marks)

32. The graph below shows the time taken by P.4 pupils to run a 100 metre race. Use it to answer questions that follow.



- a) Who won the race? (01 mark)
- b) Which two pupils used the same speed? (01 mark)
- c) How much longer did Benja take than Carol? (02 marks)
- d) Find the total time taken by the best three runners. (02 marks)



END