SURE KEY EXAMINATIONS BOARD
PRIMARY FOUR LPTE PREPARATION SET ONE
2023
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Admission 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

	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		

Turn Over

SECTION A: 40 MARKS

Answer **all** questions in this Section

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

1. Workout: 5 3 2
              $+$ 1 4 5
    _____

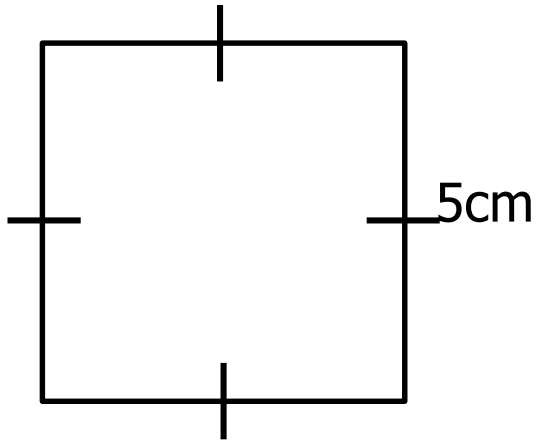2. Write "Six thousand ninety-seven" in figures.

3. Expand 7632 using values.

4. Given that Set P = {vowel letters}. Find n(P).

5. A lumberjack cut 🌳🌳🌳🌳🌳🌳 trees from Ituri forest in one day. If 🌳 represents 60 trees. How many tress did the lumberjack cut?

6. Workout the difference between $\frac{6}{8}$ and $\frac{5}{8}$.

7. John, Andrew and Mark shared 51 mangoes equally among themselves. How many mangoes Mark get?

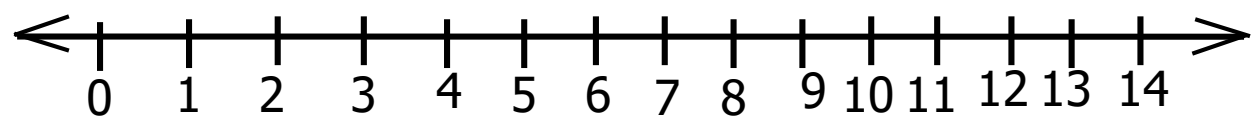8. Find the total distance around the figure below.

5cm

9. How many $\frac{1}{2}kg$ sachets of sugar can be packed from $10kg$ bag of sugar?

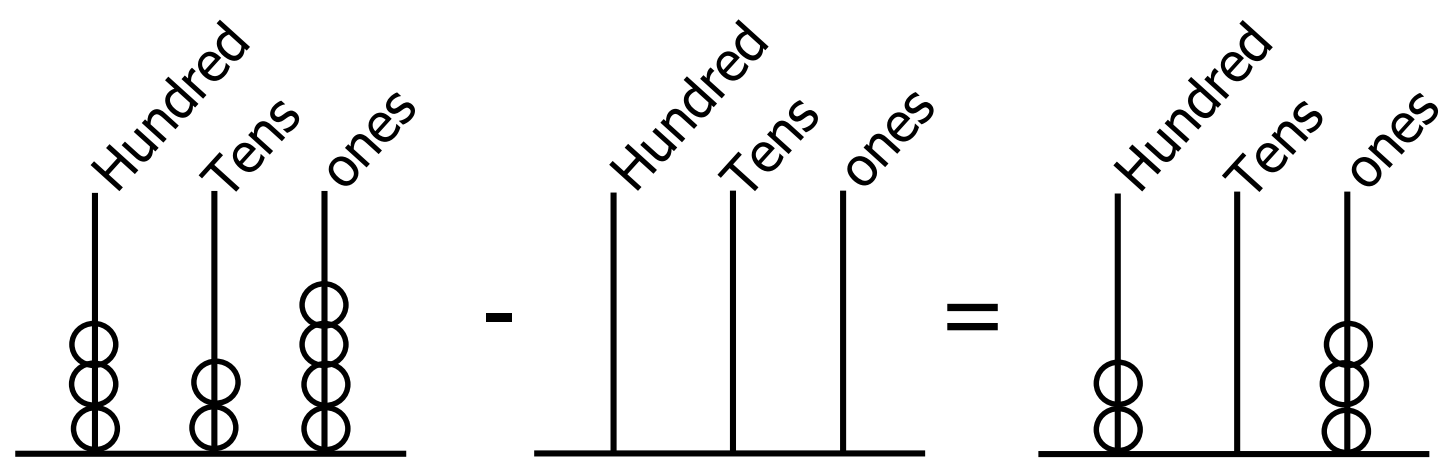10. A pen costs Sh.600 at a shop. How much would 9 similar pens cost?

11. Our head teacher registered 136 Primary Four Junior candidates for the Surekey Lower Primary Transitional Exams. Write the number of Junior candidates in Roman Numerals.

Turn Over

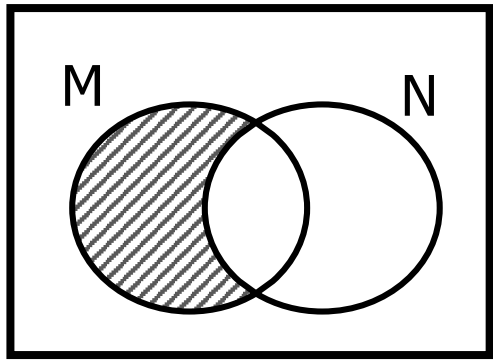12. Represent 8 - 4 on the numberline below.

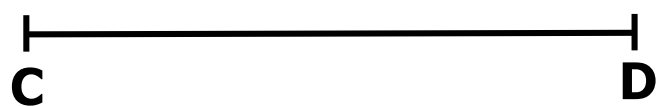13. Convert 2km to metres.

14. Complete the abacus below.

15. Moses had 18 cows on his farm and sold off $\frac{2}{3}$ of them to Okoth.
How many cows did he remain with on his farm?

16. Describe the area of the shaded region in the Venn diagram below.

....

17. Mr.Okiria was born in 1990 and died in 2023. How old was he when he died?

18. What number has been expanded below?

$$(4 \times 10^3) + (3 \times 10^2) + (9 \times 10^1)$$

19. Nassanga's car used 498 litres of petrol to travel from Masaka to Kampala and 624 litres from Kampala to Kagadi. How much petrol did Nassanga's car use altogether?

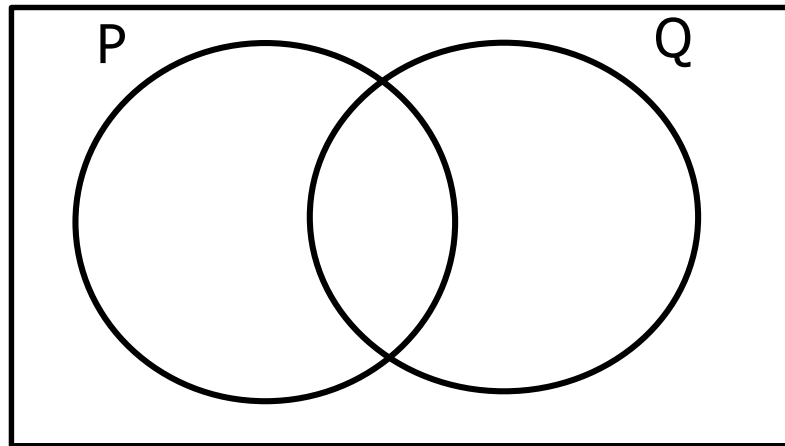20. Using a ruler and a pair of dividers only. Measure line **CD** drawn below.

C ────────────── D

Line **CD** = ………cm

Answer **all** questions in this section

Marks for each question are indicated in brackets.

21. Given that,

Set R = {natural numbers between 2 and 9}

Set Q = {odd numbers between 1 and 12}

(a) Represent the above information on the Venn diagram below. (03 Marks)

P   Q

Set R = {...........................}

Set Q = {...........................}

(b) Find n(P-Q) (02 Mark)

22. Use the number **4213** to complete the table below correctly. (04 Marks)

Number	Place Value	Value
4	Thousands	....
2	....	200
1	Tens	....
3	....	3

23. (a) Workout: M   Cm (02 Marks)

                      4   600

                  - 2   400

                 _____

(b) Work out: HRS   MIN (02 Marks)

                    3   45

                + 2   30

                 _____

24. Namugga went to the shop and bought the following items.

$\frac{1}{2}$ kg of salt at Sh.1,800 per kg.

3 loaves of bread at Sh.4,500 per loaf

A Kg of beans at Sh.1,800

2 kg of sugar at Sh.5,000 per kg.

(a) Calculate Namugga's total expenditure (04 Marks)

(b) If she went with a fifty thousand shillings note, how much was her change? (01 Mark)
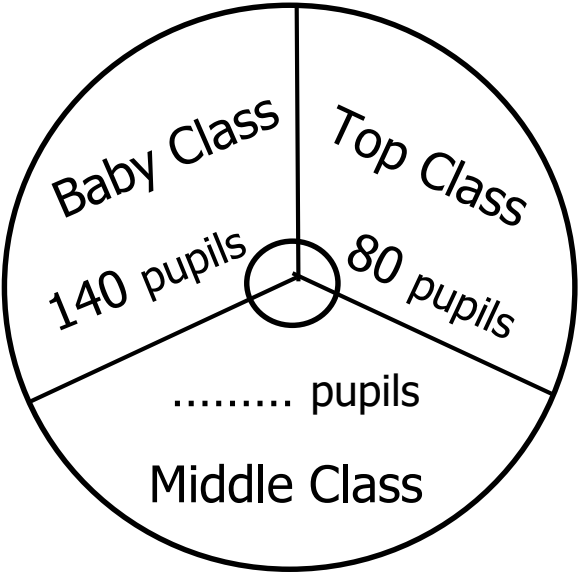
25. (a) Given that **m** = **10** and **n** = **4**. What is the product of **m** and **n**? (01 Mark)

(b) By showing the working, fill in the missing number in the box below.

$\boxed{}$ + **7** $= 10$ (02 Marks)

(c) Jane got Sh.2000 more than Joseph. If Joseph got Sh.18,000. How much money did Jane get? (02 Marks)

26. The circle below represents a total of **360** pupils in the three classes at God's Grace Children Centre.

(a) Find the total number of pupils in Baby and Top class. (02 Marks)

(b) How many pupils are in Middle class? (02 Marks)

(c) If each child in Top class paid Sh.30,000 for graduation party. How much money was collected from all the Top class pupils? (02 Marks)
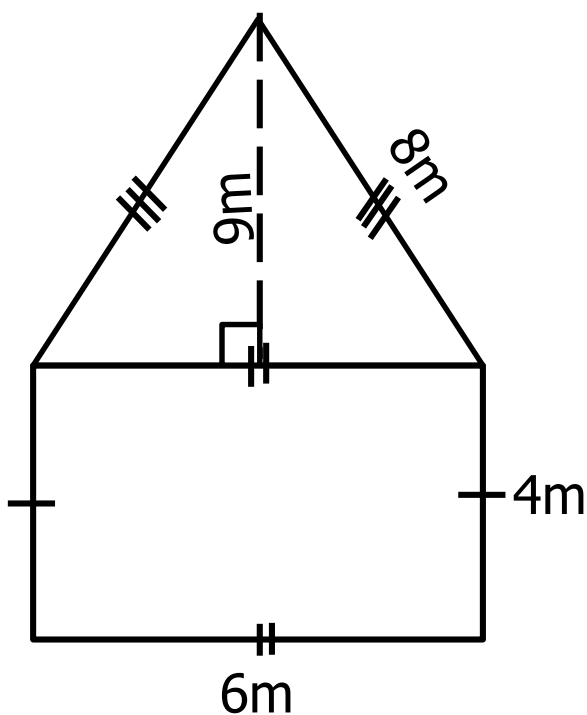
27. (a) Workout the sum of a quarter and three quarters. (02 Marks)

(b)   Convert $2\frac{3}{4}$ to an improper fraction.   (02 Marks)

28.   The diagram below shows two figures. A triangle of height 9m and a base of 6m placed on top of a rectangle as shown below.

6m

(a)   Workout the area of the triangle.   (02 Mark)

(b)   Find the area of the rectangle.   (02 Marks)

(c)   Calculate the perimeter of the whole figure.   (02 Marks)

Turn Over

29. Amanda bought a dress at Sh.12,000 and after two days, she sold it to Mary at Sh.20,000.

    (a) How much profit did Amanda get from selling the dress? (02 Marks)

    (b) If Mary sold the same dress to Josephine at Sh.18,000. Calculate the loss Mary made. (02 Marks)
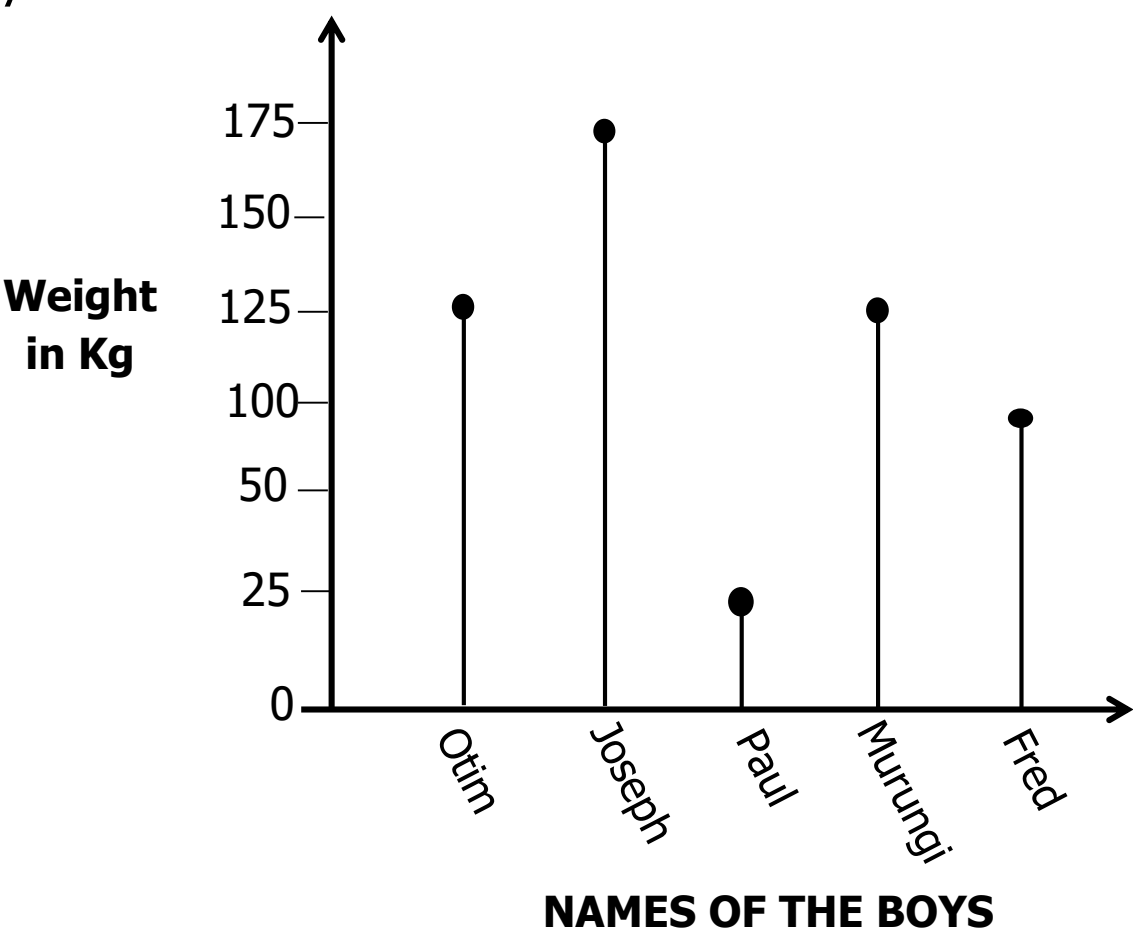
30. (a) A day has 24 hours. How many hours are in 9 days? (02 Marks)

    (b) How many minutes are in $\frac{1}{4}$ of an hour? (02 Marks)

    (c) Find the number of days that make up 3 weeks. (02 Marks)

10

31. The graph below shows the weight of five boys in P.4 at Kojok Community Primary School.

(a) Who is the heaviest boy on the above graph? (01 Marks)

....

(b) How many kgs does Otim weigh more than Paul? (02 Marks)

(b) Calculate the total weight of the five boys. (03 Marks)

11 **Turn Over**

32. (a) The pattern below shows multiples of 3. Study it carefully and fill in the missing numbers. (03 Marks)

$$M_3 = \{3, 6, \ldots, 12, \ldots, 18, \ldots, 24\}$$

(b) Add 2002 to 2022. (02 Marks)

END