

DELIGHT JUNIOR SCHOOL- MBALE

END OF TERM II (INT.) EXAMINATION - 2024



PRIMARY SIX MATHEMATICS

Time allowed 2 hours 30 minutes

NAME:

CLASS:

Read the following instructions carefully:

1. The paper has **two** Sections: **A** and **B**.
2. Section **A** has 20 short answer questions (40 marks).
3. Section **B** has 12 questions (60 marks).
4. Answer **ALL** questions. All answer for 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. Diagrams should be drawn in pencil.
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 Examiners' use only.

FOR EXAMINERS' USE ONLY		
QN. No.	MARK	SIGN
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)

1. Workout:

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

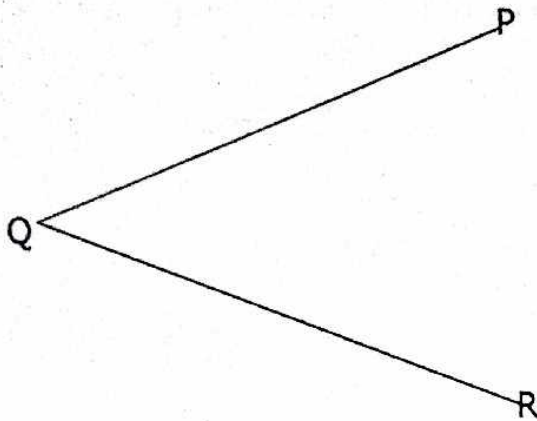
2. Expand 86.93 using powers of ten.

3. Workout(5×84) + (5×16) using distributive property.

4. Express $4\frac{1}{3}$ as an improper fraction.

5. Write 4467 in words.

6. Using a pair of compasses, ruler and a sharp pencil, bisect the given smaller angle PQR.



7. Workout: $2 + 3 = \underline{\hspace{1cm}}$ (finite 5) using a dial.

8. Without dividing show that 3003 is divisible by 3.

9. Find the value of $2^4 - 3^2$.

10. A motorist covered a distance of 120km in $1\frac{1}{2}$ hours. What was his speed in km/h?

11. In a class of 60 pupils 25 are girls and the rest are boys, find the ratio of boys to girls.

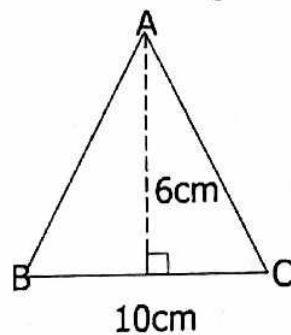
12. Write 68 in Roman numerals.

13. What is the complement of 49° ?

14. $\frac{1}{5}$ of the animals in a kraal are cows, if there are 30 cows, how many animals are in the kraal.

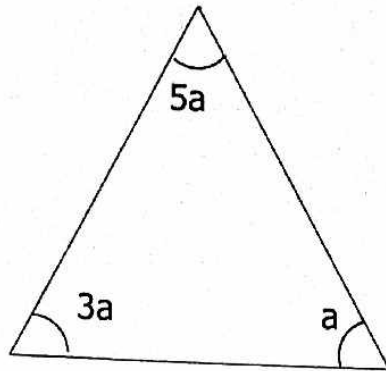
15. Workout: $8 + 2$

16. Find the area of the triangle below.



17. 5kg of sugar cost sh. 15,000. How much money will one pay for 3kg of sugar?

18. Find the value of a in degrees.



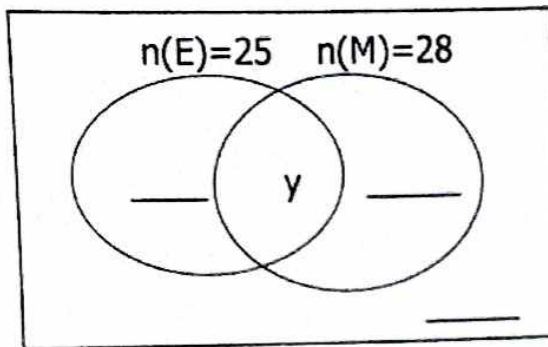
19. Round off 396 to the nearest tens.

20. The cost of 1Ksh is Ugsh. 28. How much money will Joseph get from Ksh. 3000 in Uganda shillings?

SECTION B (60 MARKS)

21. In a class of 50 pupils, 28 like Mathematics (M), 25 pupils like English (E), y pupils like both subjects and 2 like neither of the two subjects.
a) Complete the venn diagram below. (3marks)

$$n(\Sigma) = 50$$

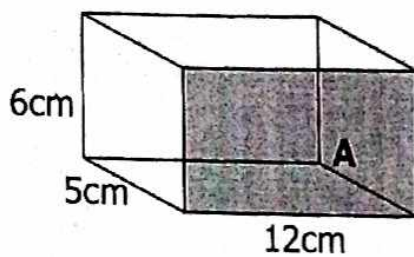


- b) Find the value of y . (2marks)

22. a) The cost of a book is sh. 6000, find the cost of 6 similar books. (2marks)

- b) 6 men take 4 days to dig a garden. How many more men will be needed to dig the garden in 3 days? (3marks)

23. Use the figure below to answer the questions that follow.



a) Name the shaded figure. (1mark)

b) Calculate the base area of the figure above? (2marks)

c) Find the total length of the edges in the above figure. (2marks)

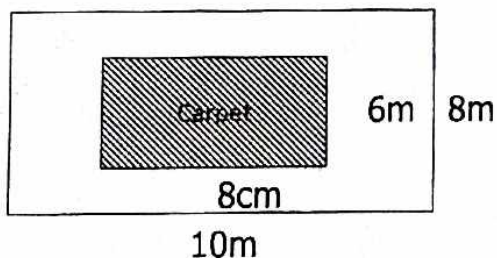
24. Jane ate a sum of 45 mangoes in three days. If she ate 2 more mangoes than the previous day. Find the number of mangoes she ate in each day. (5 marks)

25. Given below is Opio's shopping bill. Complete the table. (5marks)

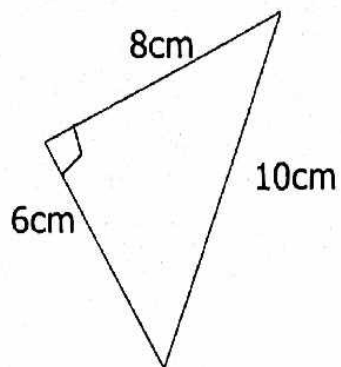
Item	Quantity	Price per kg	Amount
Poshokgs	Shs. 1200	Shs. 4800
Beans	2kgs	Shs. 1000	Shs.....
Rice	3kgs	Shs.....	Shs. 4500
Sugar	2kgs	Shs. 2000	Shs.....
Total expenditure			Shs.....

b) If Opio went with shs. 20,000, find his change. (1mark)

26.a) A carpet of size 8m by 6m is laid centrally on a floor of a room of size 10m by 8m as shown in the diagram below. Find the area of the uncovered part. (3marks)



- b) A cockroach moved round the figure below once. What distance did it cover? (2marks)



27. Workout: $\frac{1.2 \times 0.09}{0.4}$

(3marks)

- b) What is the multiplicative inverse of $\frac{1}{6}$. (2marks)

28. Using a sharp pencil, a pair of compasses and a ruler only, construct a rectangle of length 6cm and width of 4cm in space provided below.
(4marks)

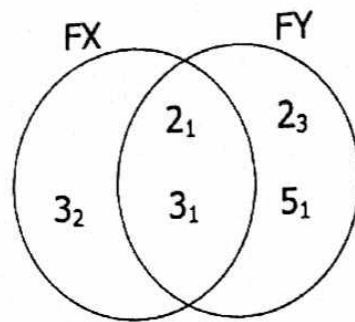
b) Workout the perimeter of the above figure. (1mark)

29. James had bank notes numbered from AP0043300 to AP0043399.

a) How many bank notes does Jane have? (2marks)

b) If each note is worth 10,000 in value, how much money does Jane have altogether? (2marks)

30. Study the venn diagram and answer the questions that follow.



a) Find the value of X.

(2marks)

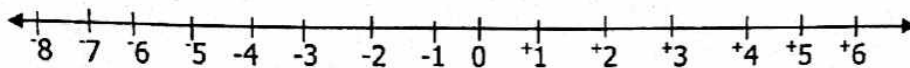
b) Find the value of y.

(2marks)

c) Find the LCM of X and y.

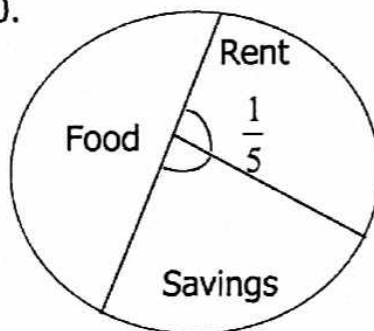
(2marks)

31. a) Using arrows, show $+5$ and -3 on the number line below. (2marks)



b) What integer is 3 steps to the right of $+2$. (2marks)

32. The pie chart below shows how a man spends his daily income of shs. 200,000.



a) What fraction does he save? (2marks)

b) How much does he spend on rent? (2marks)

c) What percentage does he spend on food? (1mark)