

CREATIVE EDUCATIONAL SERVICES

END OF TERM I EXAMINATIONS

2023

MATHEMATICS

PRIMARY SIX

Time Allowed: 2 hours 30 minutes

Pupil's Name :

Stream :

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. All the working for both sections **A** and **B** must be shown in the spaces provided.
3. All working must be done using a blue or black ball-point pen or fountain pen. Any work done in pencil other than graphs, pictures and diagrams will **not** be marked.
4. **No calculators** are allowed in the examination room.
5. Unnecessary changes of work may lead to **loss** of marks.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:
"For Examiners' Use Only"

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

SECTION A (40marks)

1. Workout: $22 + 16$

2. Find the next number in the series:

25, 20, 15, 10, 5, _____

3. Workout: $123_{\text{five}} + 12_{\text{five}}$

4. Using a ruler, a pencil and a sharp pencil, construct an angle of 120° .

5. Find the cost of 3 pens if 2 pens cost sh. 1000

6. In the diagram below, shade $\frac{2}{5}$.



7. Workout $2 - 3 = \underline{\hspace{1cm}}$ (mod 5)

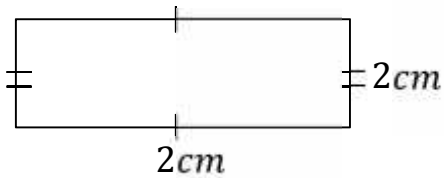
8. Think of a number, add 10 to it, the result is 20. Find the number.

9. Add:

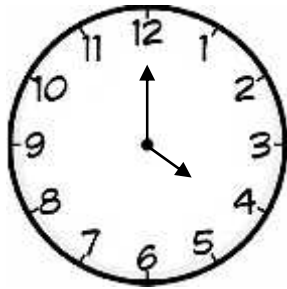
	Wks	Days
	2	3
+	1	5
<hr/>		
<hr/>		

10. What number can be divided by 4 and 6 and it leaves a remainder of 2?

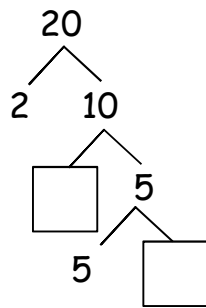
11. Find the area of the figure below:



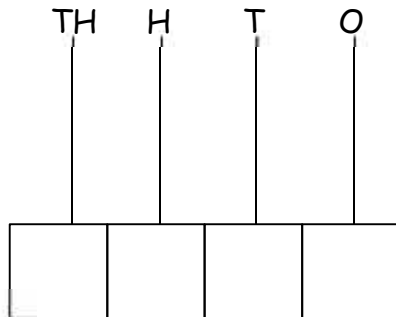
12. What time is shown on the clock face below?



13. Complete the factor tree below.

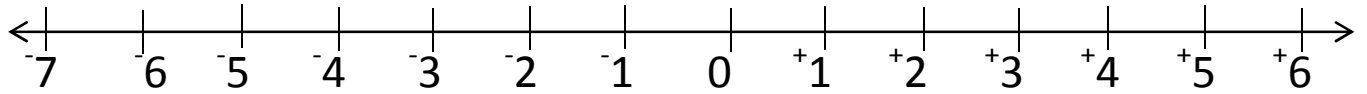


14. Show 132 on the abacus below.



15. Add: $\frac{1}{3} + \frac{1}{4}$

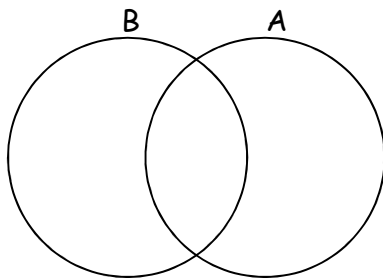
16. Show -3 on the number line below.



17. In a test, Rick scored the following marks. 15, 10, 20, 10, 5, 10, find the modal mark.

18. Simplify: $2x + 4y - x + 2y$

19. In the Venn diagram below, shade $A \cup B$.



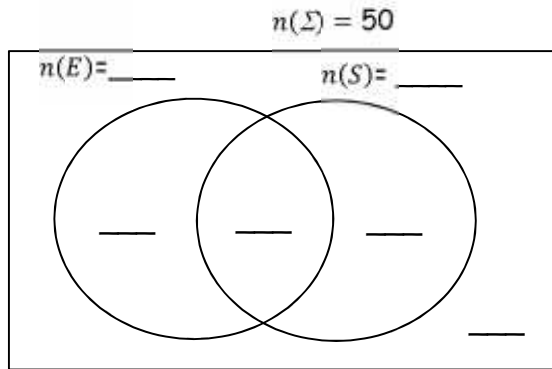
20. A motorist drove at 80km/hr. for 2 hours. What distance did he cover?

SECTION B (60marks)

21. In a stream of 50 pupils, 30 like English (E), 20 like SST (S), x pupils both subjects while 3 pupils do not like any of the 2 subjects.

(a) Show the information in the Venn diagram below.

(3marks)



(b) How many pupils like both subjects?

(2marks)

22. The sum of 3 consecutive counting numbers is 24.

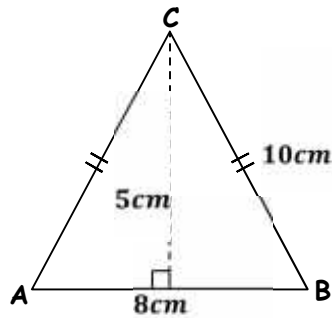
(a) Find these numbers.

(5marks)

(b) Find the range of the number above.

(1mark)

23. In the figure ABC below.



(a) Find the area.

(3marks)

(b) Workout the perimeter.

(2marks)

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

3bars of soap at sh. 3000 per bar.

2kg of rice at sh. 4000 per kg.

500g of meat at sh. 10,000 a kg.

(a) Find his total expenditure.

(4marks)

(b) Find his change if he had sh. 30,000 at the beginning.

(2marks)

25. $\frac{3}{5}$ of the guests in a party are ladies the rest are gentlemen.

(a) What fraction represents gentlemen?

(2marks)

(b) Find the number of gentlemen in the party if the total number of guests is 50.

(2marks)

26. (a) Arrange $-3, 4, 0, 2$ in ascending order.

(2marks)

(b) Which integer is 4 steps to the left of $+4$?

(2marks)

27. Sandra is twice as old as Tom. Their total age is 30. How old is each of them now?

(5marks)

28. (a) A car moves at an average speed of 60km/hr. for 3hours. What distance did it

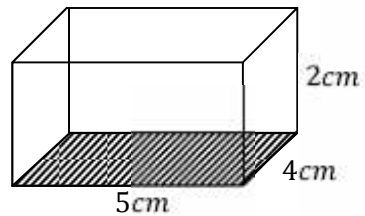
cover?

(2marks)

(b) convert $1\frac{1}{2}$ hours to minutes.

(2marks)

29. The figure below is of a cuboid.



(a) Find the area of the shaded face.

(2marks)

(b) Work out the volume of the figure above.

(2marks)

30. In a class, pupils obtained marks as shown.

Pupils	Mark	Musa	Mukama	Mutesi
Marks	70	30	40	50

(a) Who obtained the least mark?

(1mark)

(b) Find the range of marks.

(2marks)

(c) Work out the median mark.

(1mark)

(d) Calculate the mean mark.

(2marks)

31. (a) Today is Tuesday, what day of the week will be after 18 days from now?

(3marks)

(b) Workout: $2 + 3 = \underline{\hspace{1cm}}$ (mod 5)

(2marks)

32. (a) Construct a triangle ABC such that $\overline{AB} = 6\text{cm}$, $\overline{BC} = 6\text{cm}$, $\overline{AC} = 6\text{cm}$. (4marks)

(b) Workout the perimeter of the figure above. (2marks)

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