KOLFRAM EDUCATIONAL SERVICES KAMPALA



MID TERM ONE EXAMINATION

SET III MARCH EXAMINATION 2023

PRIMARY SEVEN

MATHEMATICS

Time allowed: 2 hours 30 minutes

Index	Number	Random number						Personal No.			
Candid	ate's Name:										
Candidate's Signature:											
School Random No.											
District ID:											
Read and follow these instructions carefully:											
	•	school or district name				FOR EXAMINERS USE ONLY					
,	where on the paper has tw	•	ons: A and B	3. Section		QN. NUMBER	MARKS	EXAM: INITIA			
	has 20 questions (40marks) and Section B					1-5					
	nas 12 questions (60 marks). The paper has 16 printed pages.			6-10							
3. Answer ALL que		tions. All ans	wers to	both		11-15					
	tions A and B	es	16-20								
•	vided.	ho writton us	sina a k	alua or		21-22					
		t be written using a blue or pen or ink. Diagrams should		23-24							
	drawn in pencil.					25- 26					
	•	essary crossing of work and any				27-28					
	andwriting that cannot be easily read may ad to loss of marks.					29-30					
6. Do r	not fill anythin	•	s indicated; F	ated; Fo	r	31-32					
Exa	miner's use	se only.				TOTAL					

Turn over

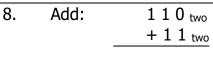
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SECTION A

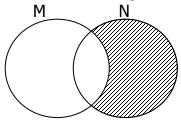
9.

1. Add: 72 + 28



it end?

2. Describe the shaded region



3. Collect the like term and simplify 4r + 3k - r + 2k.

10. Find the next number in the sequence.
36, 25, 16, 9, ____.

An examination started at 9:00a.m.

and lasted for 2 1/2 Hours. When did

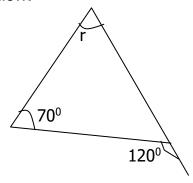
4. Add: $\frac{1}{2} + \frac{1}{3}$

11. Solve: 4k + 2 = 10.

- 5. Mark scored the following points in quiz competition 7, 4, 6, 7, 9. Find his range of score.
- 12. Mummy shared 2 dozens of books among her 3 children. How many books did each child get?

- 6. Simplify: +9 6
- 7. Find the supplement of 110° .

13. Find the size of angle r in the figure below.



- 14. Work out: 2-5 =____(finite 7)
- 15. $\frac{2}{3}$ of Barbra's books in her bag are exercise books and the rest are text books. If she has 21 books in her bag, how many text books are in the bag?

- 16. Apio covered a distance of 2.5km. How many metres did she cover?
- 17. Which number has been prime factorized below? {2₁, 2₂, 3₁, 3₂}

- 18. Set $A = \{ 1, 2, 3 \}$, how many subsets are in set A?
- 19. Given that: represents 8 balls, how many balls are represented by ?
- 20. 4 books costs 20,000/=, Find the cost of 7 similar books.

SECTION B

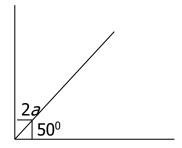
- 21. Sarah had 24 litres of milk to sell. She sold 34 of it and the rest went bad.
- (a) How many litres did she sell?

(b)	Find the	e number of litres that went bad.						
(c)	If each sold?	litre of milk was sold at 2000/=, how much money did she ge (6 ma						
22.	Tim scor	red the following marks in end of year exams. - 95						
	Scie Eng	- 93 - 92 - 88						
	SST R.E	- 80 - 95						
(a) Find the								
	(i)	Mode						
	(ii)	Range						
	(iii)	Median	(1mark each)					
(b	o) Cal	culate his average score.	(2marks)					

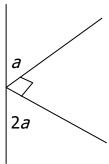
23. Find the value of *a* in each of the figures below.

(4 marks)

(a)



(b)

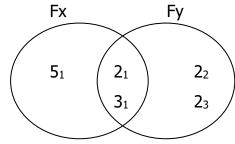


- 24. Sam went shopping and bought the following items.
 - 2 kg of sugar at 2800/= each kg.
 - 3 bars of soap at 2500/= each bar.
 - 1 ½ litres of cooking oil at 3000/=.
 - $\frac{1}{2}$ kg of salt at $\frac{1000}{=}$ each kg.
 - (a) What was his total expenditure?

(b) If he went with 30,000, how much money did he remain with? marks)

(6

25. The diagram below shows prime factors of **two** numbers. Use it to answer questions that follow. (4 marks)

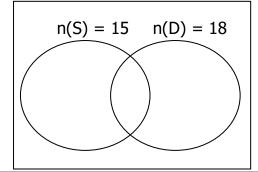


- (a) Find the value of;
 - (i) X
 - (ii) Y

- (b) Calculate the;
 - (i) GCF of x and y.

- (ii) LCM of x and y.
- Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon in a circle of radius 4cm. (4 marks)

- 27. In a class of 30 pupils, 15 like singing, (S) 18 like dancing, (D) and r like both singing and dancing.
 - (a) Represent the above information on a Venn diagram below.



(5 marks)

- (a) Find the number of pupils who like both.
- (b) How many pupils like only one activity?

- 28. Two bells ring in intervals of 30 minutes and 40 minutes. If they ring together at 8:00a.m;
 - (a) after how many hours will they next ring?

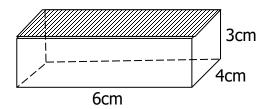
(b) at what time will they ring together again?

(5 marks)

- 29. Given that: a = 2, b = 3 and c = 6. Find the value of;
 - (a) *abc*
 - (b) 2a + c
 - (c) <u>bc a</u> 4

(6 marks)

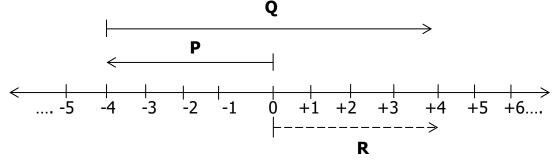
30. The figure below is a cuboid, use it to answer questions that follow. (6 marks)



(a) Find the area of the shaded face.

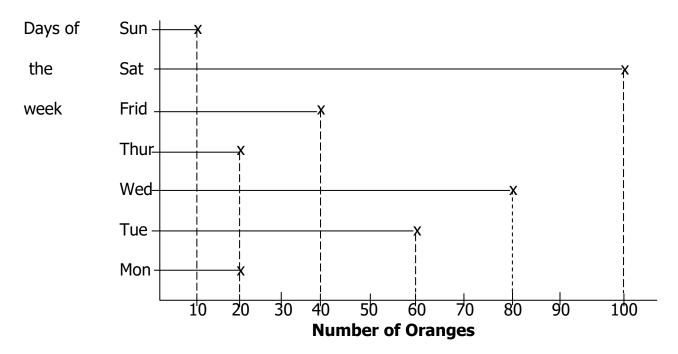
(b) Calculate the volume of the figure.

- (c) Workout the total surface area of the figure.
- 31. Study the number line below and use it to answer questions that follow. (4 marks)



- (a) Write down the integers represented by arrow;
 - (i) P _____
 - (ii) Q _____
 - (iii) R _____
- (b) What mathematical statement is represented on the above number line?

32. The graph below shows the number of oranges sold from Mr. Kabanda's farm for a week. Use it to answer questions that follow.



- (a) When was the largest number of oranges sold?
- (b) On which two days were the sales the same?
- (c) How many more oranges were sold on Thursday than on Sunday?

(d) If a heap of eleven oranges cost 1000/=, how much money did Mr. Kabanda get in that week? (5 marks)