

## **LUWEERO DIOCESE JOINT MOCK 2023**

## **MATHEMATICS**

Time Allowed: 2 HOURS: 30 MINUTES

Personal No.

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-Candidate's Name: .			 	
Candidate's Signatu	re:		 	.,
School:			 	
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## DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

## Read the following instructions carefully:

The paper has 2 sections: A and B. Section A has
 questions (40 marks) and section B has
 questions (60 marks).

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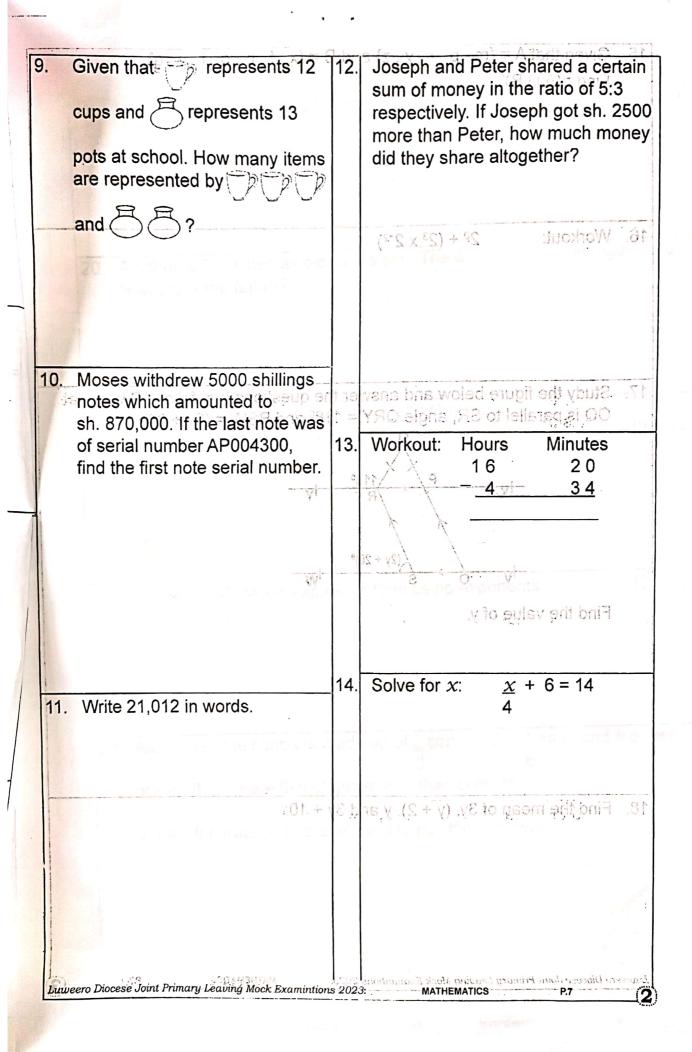
- 2. All the working for both sections **A** and **B** must be shown in the spaces provided.
- 3. All working must be done using a blue or black ball point pen or a fountain pen. Any work in pencil other than graphs, pictures and diagrams will not be marked.
- 4. **No calculators** are allowed in the examination room.
- 5. Un neessary 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" and those inside the questions paper.

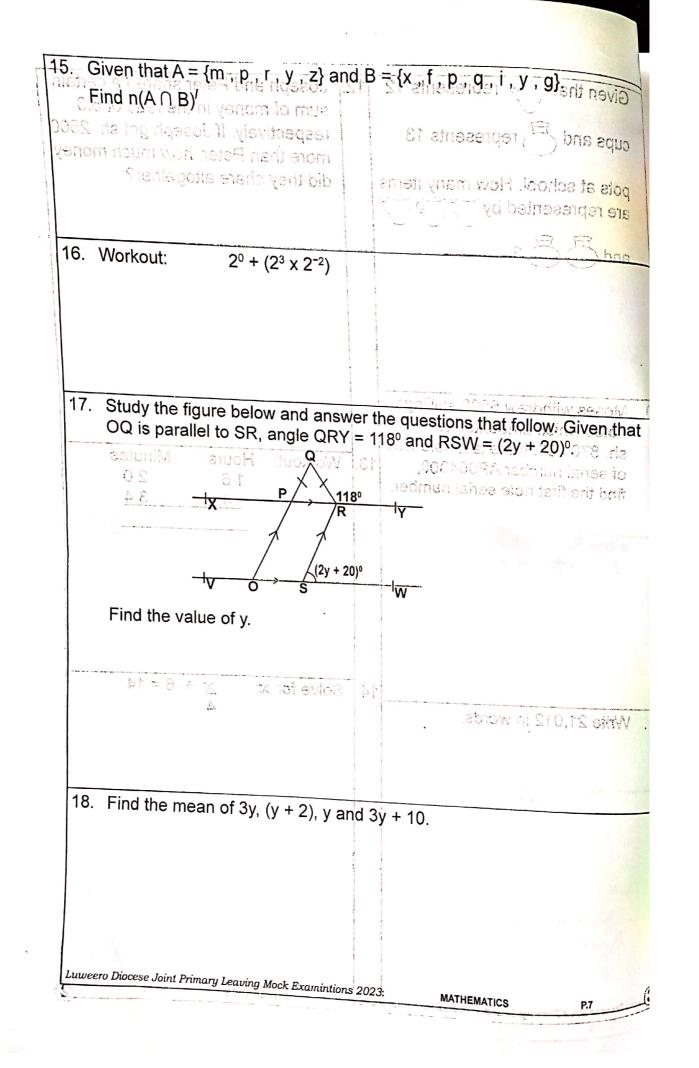
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29 - 30					
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TOTAL		;			

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Turn Over

			SECTION	A: (	(40 Marks)	
1.	Workout:	6 x 3		5.	In the venn diagram belo	w, shad
			7.	X : :	(P ∩ Q)'	
			R	7.4	£3	
					<b>D</b> O	7 . 6
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		17.64	INSME			
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2.	List down a	III factor	s of 40.			79
				6.	Express LXXXIII in Hindu	Arabic
					numerals.	
						:0
						wari ba
						*: 34.
3.	Simplify us	ing L.C.	M.	7.	Using a protractor, pencil a	and a
	<u>2</u> ÷	<u>1</u>		١.	ruler only, draw an angle o	
	-3	4 ·			1270	
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					·, · · · · .	
4.			at day of the			
1	week will it	be after	86 days?	8.	Change 780m to km.	
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9. The distance around a circular flower garden is 8.8cm. Calculate its area. 20. A father is five times as old as his son. The difference in their ages is 52. 600km. It then left airport C for air port D on a bearing on giblo work distance of 500km. a) Using a scale of 1cm to represent 100km, draw an accurate diagram to (4 mks) show the flight of the plane **SECTION B: (60 Marks)** (2 mks) 21. a) Workout 607 - 42 using abacus. b) Express 48,349 in expanded form using exponents. (2 mks) b) Find the shortest distance between air port A and D in km. (1 mk): 22. Alex mixed the concrete made up of 2 cement and 1 sand and the rest amgravel. If there are 6kg of gravel less than cement, a) Represent the i a) Find the fraction of gravel used to mix the concrete. n(iM) = 20iLuweero Diocese Joint Primary Leaving Mock Examintions 2023:

a h) Hayymany kilograms are naived to make the concrete alternal	
b) How many kilograms are mixed to make the concrete altogether?	
The distance around a building to rough	0
∠ (∠'Mks	3

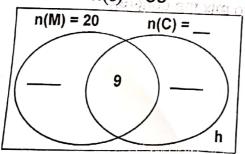
- 23. An aeroplane left airport A on a bearing of 275° for port C a distance of 600km. It then left airport C for air port D on a bearing of 240° a world distance of 500km.
  - a) Using a scale of 1cm to represent 100km, draw an accurate diagram to show the flight of the plane. (4 mks)

(2 mks)

21. a) Workout 607 - 42 using abacus

b) Express 48,349 in expanded form using exponents. b) Find the shortest distance between air port A and D in km.

- 24. In a family of 33 members all like fish, 20 like fish and meat, 5 like chicken and fish only, 9 all the three. Some members like fish only.
  - a) Represent the information on the Venn diagram below. (3 mks)  $n(\epsilon) = 33$ a) Find the fraction of gravel used to mix ru



(2 m/cs)

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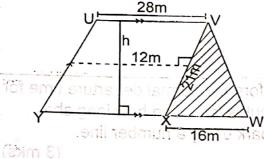
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a) How many was I			11	
c) How many members	The second secon	The second contract of the second contract of	(1 n	nk)
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the area of the shaded par	a) Work out l		d	
(4 mks		A STATE	13t	
5. Lillian arrived at the par	k 10 minutes	before the norma	al departure time	e fo
a bus to Lira. If the bus				
waited for the bus to de	part at the bu	s park using a nu		-1
			(3 n	nks
			and the second second second second second	
b) Subtract <sup>-</sup> 5 from <sup>-</sup> 6				
3 / 385		an and the second	(2 m	nks
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b) Simplify using reciprical:

(2 mks)

c) How many members like fish and meat only?

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



a) Work out the area of the shaded part. (4 mks)

25. Lillian arrived at the park 10 minutes befor waited for the bus to depart at the bus park

b) Calculate the area of the whole figure UVWXY.

(2 mks)

(2 mks)

b) Subtract "5 from "6

28. Madam Abbo went shopping for X-mas as shown in the table below. a) Complete the table below.

		table below.		(5 ml	(s)
	ITEM	QUANTITY	UNIT COST	TOTAL COST	1
	Loaves of bread	<u>1</u> a loaf		sh. 1800	
mks)	Meat	kg	sh:(14,000 + 1+g)	sh 21,000	0.5
	Salt	1 1 kg	sh. 900	c sh. 21;000 (s	:05
		3	511. 900	sh	
	Bars of soap	4 bars			
	то	TAL			
				sh. 52,000	

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(1 mk)

29. a) Using a pair of compasses, pencil and a ruler only, construct triangle PQR where PQ = 7cm, angle QPR = 90° and angle PQR = 45°.

(4 mks)

b) Meausre QR.

(1 mk)

30. a) Show that 585 is completely divisible by 7 without dividing.

(2 mks)

b) Study the magic square below and find the unknown.

(4 mks)

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10	12	У
11	р	q

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P.7

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	the abtained by some students in a	test. Use	the
31	The table show s the marks obtained by some students in a	THE HEAT	
	information to answer questions that follow.		

Marks	60	70	50	80
Number of students	3	2	y – 2	1

a) How many pupils did the test, given that their average score was 60? (4 mks)

32. A car left town X at 7:40a.m moving at speed of 80km/hr and reached town Y at 10:10a.m. It stayed at town Y for 20 minutes and continued to town Z and covered a distance of 180km at a speed of 72km/hr.

a) Find the distance between X and Y.

(2 mks)

b) At what time did the car reach town Z?

(2 mks)

**END** 

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