THE SIPRO PRE - PLE SET IV 2022

MATHEMATICS

	Time Allowed: 2 Hours					
Index No.	Random No.	Personal No.				
Candidate's Name:		A SHARE MARKET !				
Candidate's Signature:	ALERGO EN DA BREAT					
School Random No						
District ID:	N. SPACE OF STREET					

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- 1. This paper has two sections: A and B.
- Section A has 20 questions (40 Marks).
- 3. Section B has 12 questions (60 Marks).
- Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
- All answers must be written in blue of black ball point pens or Ink. Only diagrams and graph work must be done in pencil.
- Unnecessary afteration of work will lead to loss of marks.
- Any hundwriting that cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the boxes indicated:

"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

PAGES	MARKS	INITIALS
Page 1	THE STATE OF	第 任医療主
Page 2	1900	
Page 3		
Page 4	THE OF	國籍生
Page 5		
Page 6	a strice in	and real
Page 7		學是是了自
Page 8		
Page 9		西蒙皮
Total	The same	4

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THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA

PUBLISHERS OF THE SHIRD TEACHERS QUEEN LEARNERS WORKSOOKS & PUPR'S COMMUNIONS

	SECTION A: 40 MARKS Attempt all questions in this section Questions 1 to 20 carry two marks each.				
1.	Work out: 2 5 7	2.	Write in figures; Fifty six thousand, six.		
3.	Given that set K = {1,3, 6,10,15}, describe set K	4.	Work out: 24 + 8		
5	Write 0.75 as a fraction in its simplest form.	6.	If set N has 63 proper subsets, how many elements are in set N?		
7.	Using a ruler and a pencil, draw a	line	segment PQ = 6.0cm		

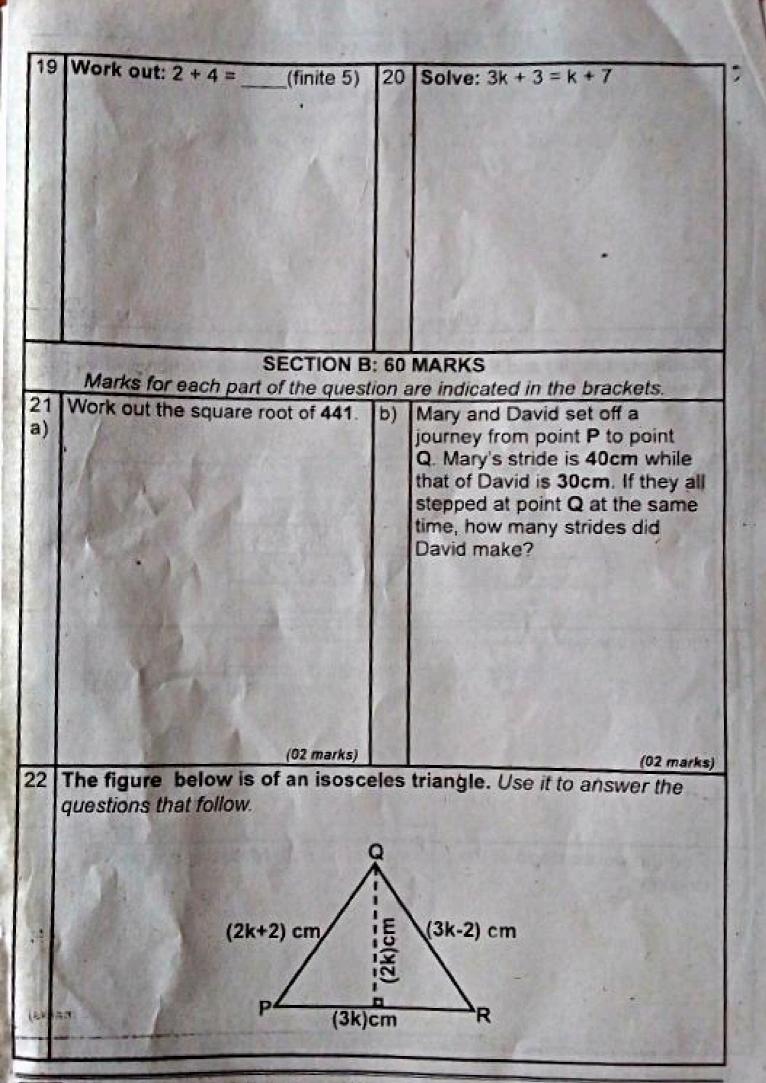


A	Construct an angle of 240° using	a ru	ler, a pencil and a pair of
Ĭ	compasses only		A CONTRACTOR OF THE CONTRACTOR
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10			
	SAME STATE OF THE PERSON NAMED IN		
	CONTRACTOR OF THE PARTY OF THE		
9	Work out: 2 + 0.5	10	Find the average of k, 0, 3k, k-2
		1987	and 12
		130	
15	新疆的社会 。	1	
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1	A COLUMN TO THE REAL PROPERTY.	1430	B-USBERT AND SER
			a = the cost of
11	Find the L.C.M of 12 and 30.	12	On Tuesday morning, the cost of 5 books was sh 10,000. In the
10			evening, the cost of each book
131		E	had increased by sh 250 How
1		100	many such books could one buy
П		200	
	ness and some ment of	1	with sh. 20250?
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1	Isa ran 200 metres in 20 seconds. How many kilometres did he cover every hour?	14	Given that ∑ = { 0, 1, 3, 4, 5 } and set K = { 1, 3, 4 }. Find n(K)'
15	In a class, 20% of the pupils are absent. How many pupils are in the class if 40 were present?	16	Write 0.00086 in standard form,
17	How many lines of folding symmetry has the figure below?	18	What number has been expanded to give; (6 x 10³) + (2x10²) + (9x10°) + (4 x10-1)?





12 15	ind the unit
	ind the value of k b) Calculate the area of the triangle PQR
23	The venn diagram below shows the number of pupils who like Mathematics (M) and English (E) at Nankya Highway Primary School- Mayuge. Those who like mathematics are a second to the pupils who like
	Mayuge. Those who like mathematics are equal to those who don't like it. Use the venn diagram to answer the questions that follow (\(\sum_{\text{L}}\))
	2t+2 3t 3t-2
a)	Find the value of t.
by	Find the percentage of the seed to be a live o
5)	Find the percentage of the pupils who like both Mathematics and English.
	(03 marks)



4.14	A rectangular tan to capacity.	The state of the s	Bcm	wide	e holds 960cm³ o	of water full
a)	If 528cm3 of water find the height of remained in the to	the water that	b)	pou	e remaining water red into another k of base area 72 ght.	rectangular
		(02 marks)		はのぞり		(03marks)
25	Study the table b	elow and use it t	o an	swer	the questions the	at follow.
		Marks	Tally		Frequency	
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		65	HH!			A CONTRACTOR OF THE PARTY OF TH
10	TO 485 356 F	85	1117		479	BETTER!
	(P)	50	11		2	第三届
	THE PERSON	70	///		3	
a)	Complete the ta	ble above.	b)	Fin	d the mean mark	
		(02 marks)	13	77		(03 marks)
						and training)





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a)	died?	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON OF THE PE
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	STALL POST AND DESIGNATION OF STALL	
	A STATE OF THE PARTY OF THE PAR	
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1	MONEY STREET, TO LIST ON THE	
		(03 marks)
b)	A teacher awarded some marks for e 2 marks for every sum in an exercise correct sums and scored 70 marks, award for every correct sum?	of 25 sums. If a pupil got 20
	1	
M		(O3 marks)
27	By selling a radio at sh 120,000, a tr	ader made a profit of 20%.
al		
	trader bought the radio.	
137		
133	THE RESERVE THE PROPERTY OF THE PARTY OF	
n	NOT THE REAL PROPERTY OF THE PERSON OF THE P	
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13	Use to answer the questions that t	C C
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	4	× *
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3)	Work out its area.	C CHARLES	[b)	Calc	ulate ite	perimete	
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9	A head teacher depa 2 hours, he took 30	stad from ho	me a	tası	need of 8	Okm/h to	(03 marks)
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	to the district headque from the school for 1	arters for a t	erm	open	ing meet	ng which	is 60km
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	How far is the school home?	from his	b)				speed for
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31 The table below shows the money which was banked by the Manager of Shell Fuel Station Gayaza in Equity bank. Study and use it to answer the questions that follow.

Denominations	Number of notes	Amount
sh 50,000		sh 600,000
sh 20,000	100	sh
sh	4 100	sh 100,000
sh 5000	50	sh 250,000
sh 2000	20	sh 40,000
To	otal	sh

(04 marks)

- 32 Town B is on bearing of 240° from town A, a distance of 250km and town B is on bearing of 300° from town a distance of 300km.
- a) Draw a sketch diagram to show the three towns.

(01 mark)

b) Draw an accurate diagram to show the three towns.

(04 marks)



