## P.7 MOCK EXAMINATIONS BOARD MATHEMATICS

Time Allowed: 2 hours: 30 minutes

Candidate's Index No.			
Candidate's Name:	 	 	
Candidate's Signature:			
School:	 	 	
District:	 	 	

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

#### Read the following instructions carefully

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- The paper has 2 sections A and B.
- Section A has 20 questions (40 mrks) and section
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FOR EXAMINER'S USE ONLY					
Qn. No.	Mark	Sign			
1-5					
6-10		- 144			
11-15					
16-20					
21-22					
23-24	mV di				
25-26					
27-28		The second section of the second section is a second section of the second section section is a second section of the second section s			
29-30					
31-32					
Total					

Turn Over

1	Work out: 42 ÷ 3		(40 MARKS)
		15	Write in words: 42,019
		i .	내 마음은 경기 관련 경기 위치를 모기 되는 것 같아.
		1	
	Set K has 32 subjects. How	4.	Shade 0.25 of the diagram below.
	many members are in set K?	4.	Shade 0.23 of the diagram below.
	Simplify: 7m- (3 + 2m)	6.	Find the direction of K from L in the diagram below:
		170	N .
		3	K 40°
-			M → M → M → M → M → M → M → M → M → M →
			the transport of the control of the
	Paris I		

	The total distance round the figure below is 50m, find r.	8.	Find the smaller number of sweets when shared by either 18 girls or 30 boys leaves 4 as a remainder.
	Acia Dag woods Frag Fag.	1	Light des range of the next two, a number of the sequencer.
).	A meeting started at 9:40am and ended at 1:00pm. How long did it last?	10.	A trader made a loss of sh. 7000 after selling an item at sh. 26000. Find the cost price.
The rest of the second	d the number that is epresented adjust 10° and form to give 7.25 x 10°		the 2m3 test and the digit to replace the by the
The second secon	1	en sperimente de la companya del companya de la companya de la companya de la companya del companya de la companya del la companya del la companya de la companya del la companya de la companya del la companya dela companya del la companya del la companya del la companya del la	Si If 2m3 124 find the digit to
	1	тур в волого в волого в населения в пред населения в пред на серения в пред на пред н	Staff 2m3 Let And the digit to
	1	тур в волого выменяния развения на принципання выправання вы	Staff 2m3 Let And the digit to

501	Workout: *5 - *7	0 v	Find the 9 <sup>th</sup> equivalent fraction to <sup>3</sup> / <sub>5</sub> .
13.	Fig. 1.0	1	
13.	Find the range of the next two numbers in the sequence:	14.	Anne's bag weighs 1³/₄kg. Express this weight in grams.
	4,6,8,9,,		
iei eri	auc. mage a joss ul sh. 7,000 a ing an ifem at sh. 260,00 [Find] I price	100	word of the latter processor A.  word and of the latter base.  Sand a latter base.
15.	If $2m3_{four} = 124_{five}$ , find the digit represented by m.	16.	Find the number that is represented in standard form to give: 7.29 x 10 <sup>-2</sup> .
900			
		-	
Control of the Contro			
A STATE OF THE PARTY OF THE PAR		- di	
	1477 Dye	3	Turn over

Workout the square root of 4.41 20. The cost of a book is three quarters that of a pen. If the cost of a book and a pen is sh. 1400. Find the cost of a pen.	17	John had 1 of his sugar gane; he gave of it to his friend What fraction did he remain with?	18 A car moves at a speed of 120km/h is 40 minutes. Find the distance h covered.
	•	Workout the square root of 4.41	a pen is sh. 1400. Find the cost of a
	Service services		
	- Caracago		
	Part of the last		
	12/10/20		
		And the second s	
	Management		
		Windows age	

## SECTION B (60 MARKS)

21.

a) Simplify:

$$\frac{P^4 \times p^3}{P^5}$$

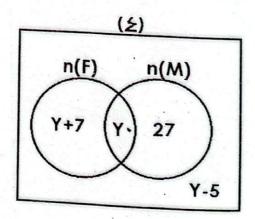
b) Find the number that has been expanded below  $(3x10^3) + (5x10^1) + (7x10^0)$ 

22. The table below shows the buying and selling rates of different currencies in a bank of Uganda. Use it to answer the questions that follow

a poor is the 1400. Find the mist

Currency	Buying (Ugsh)	Selling (Ugsh)
1 US dollar (\$)	3600	3650
1 Kenya shilling (ksh)	29	30
1 Rwanda Franc (RF)	3.5	4

At a leaver's party, candidates were served with Mirinda (m) and fanta (f) as shown in the diagram below.



5

Turn over

a) A tourist entered the bank with 40,000 Rwands francs and 14,000 Kenya shillings. How much in Uganda shillings would he receive from the bank? a) If 20 candidates were not served with mirinda at all, find y.

b) Find the number of candidates in the whole class.

dad for a familiar sy

b) A missionary had 600 Us dollars to exchange. How much would he get in Rwanda Francs?

head in topics or renem anim with

c) What is the probability of choosing a candidate who drunk none of the drinks to open the dance

Turn over

<ul> <li>The sum of three consecutive 2 even numbers is 78.</li> <li>a) If the first number is p, find the value of p.</li> </ul>	<ul> <li>Muzeyi Mukene spends 40% of the salary on food, ¼ of the remainder or fees and the rest on rent.</li> <li>a) Find the percentage spent on rent.</li> </ul>
	straints thow straining to the country and the straining would be strained and the straining thom the pank?
the whole current of considered	
b) Find the product of the first and third numbers.	b) If his total salary is sh. 120,000, how much money is spent on fees?
**	
and an artist of the second of the William	b) A n. ssionary bad add Us
chooling a candidate who drawled to oper the datus	Promise France
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7	

26. a), Using a ruler, a pencil and a pair of compasses only, construct a triangle DAF where line DF = 7.5cm, angle FDA = 120° and DA = 5cm

of Hanne (see decime) in a figure for

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b) Drop a perpendicular from point A to meet line DF at K.

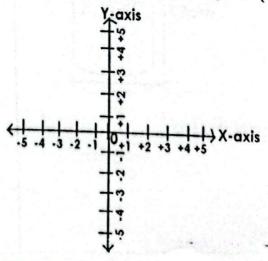
27. a) Solve the inequality;- $\frac{2}{3}k \le 4 + 2k$ 

28. a) Plot the following cordinates on the graph below.

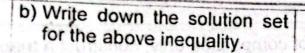
with the convert aid no so

A (-2,2), B (-2, -3), C (2, -3), D (4, 2)

MTN mobile centre?.....



Turn over



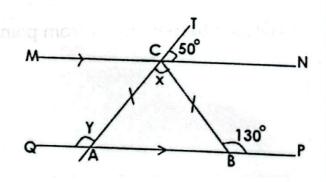
- b) Join A to B, B to C, C to D and D to A.
  - c) Name the geometric figure formed.

- 9. A trader drove from home at a speed of 80km/h to the town for 2 hours 15 minutes. He spent 30 minutes at the MTN mobile centre on his way to withdraw some money. He then continued to go for shopping moving a distance of 60 km from the mobile centre for one hour.
  - a. How far is the home to the MTN mobile centre?

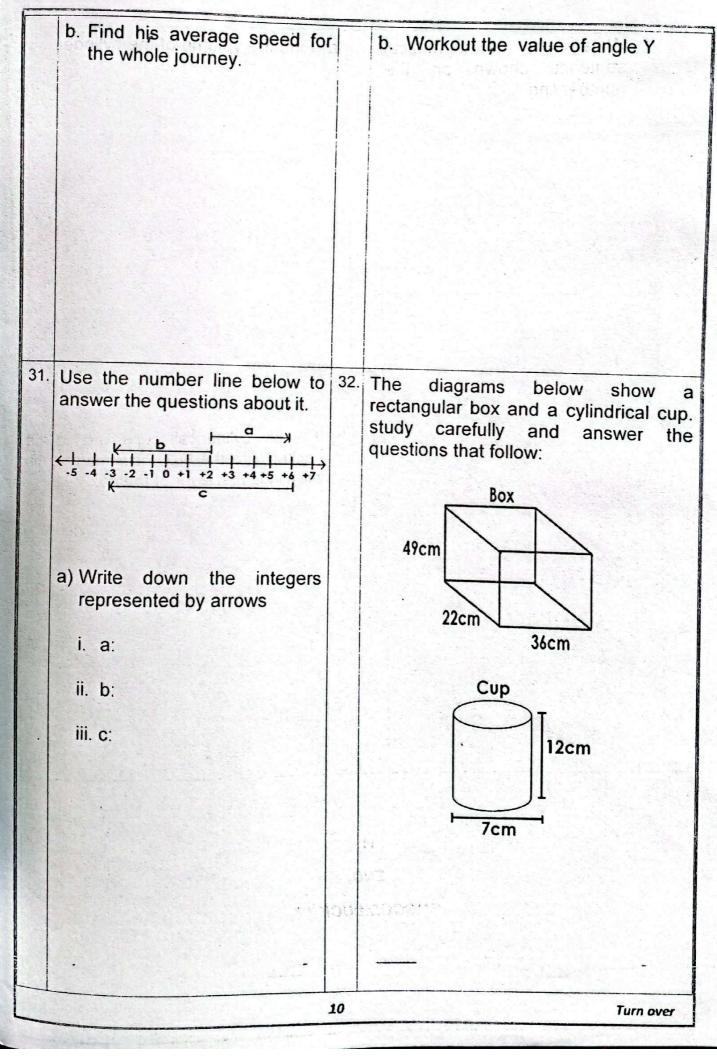
or the following curdinates on tide

-3) C (2,-3), D (4 3)

O. In the diagram below MN is parallel to QP, ABC is a triangle, angle TCN =50° and angle CBP = 130°. study it carefully and answer questions that follow.



a. Find the size of angle x.



b) Write the mathematical sentence shown on the number line.	a) Find the volume of the cylinder.
s we is word are to a vitage of the surface of the	in the second of
ent a tewens, bus to stee the temes	b) If such cylindrical cups are to be packed into the box, how many cups will fill the first layer of the box?
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11	
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	43.

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25-26					
27-28	1,74				
29-30					
31-32	The same				
Total					

Turn Over