### SEMBABULE DISTRICT ACADEMIC BOARD MOCK EXAMINATION - 2024 P.7 MATHEMATICS DURATION: 2 HOURS 30 MINUTES

Random number Personal No.

Candidates Name:		
Candidates' Signature:		

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

#### READ THE FOLLOWING INSTRUCTIONS

- 1. This paper has two sections A and B.
- 2. Section A, has 20 questions and B has 12 questions.
- 3. Answer all questions. All the working for both section A and B must be shown in the spaces provided.
- 4. All the working must be done using a blue or black ball point pen or ink. Any work done by pencil other than graphs and diagram will not be marked.
- 5. No calculators are allowed in the examination room
- 6. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
- 7. Do not fill anything in the table indicated: "FOR EXAMINER'S USE ONLY

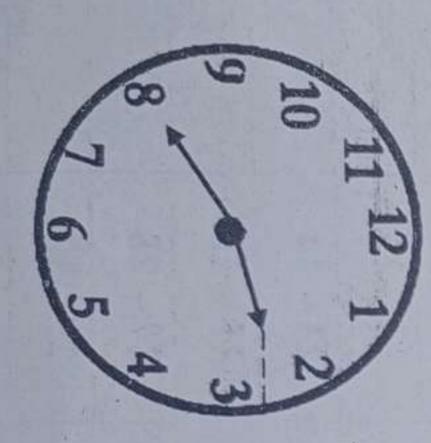
FOR EXA	MINERS USE ONLY
QN. NO.	MARK EXR' NO.
1-5	
6-10	
11-15	
16-20	
21-22	
23 - 24	
25 - 26	
27 - 28	
29 - 30	
31 - 32	
TOTAL	

Turn over

## SECTION A (40MARKS)

- . Work out: 24 + 63
- 2. Write 79 in Roman numerals.
- Find 17(Q) that set {all factors

- 4. Write 40,032 in words
- Express the 24 hours clock. afternoon time shown on the clock face below



6. Work out: '5 - '3 =

Find 58, the next 00 number in sequ

- 9. Divide:  $1\frac{1}{2} \div \frac{3}{4}$
- Simplify: 3a + 2b + 4a 5b

Hakeim bought a dozen of pens at sh. each pen at sh. 700. How much profit did ,200. he make? If he sold

Round-off 16,497 to the nearest thousands.

- interest per annum? earned an interest of sh. Musa deposited shs. 1,200,000 in a bank for 144,000. What was the 4 years rate and of
- Find the least number of oranges which when either 12 girls or 15 boys leaves a rei mainder 5 divided

14. Solve: 3 + p = 2 (finite 5)

15. Using a ruler, pencil and a pair of compasses only, construct an angle of 30° in the space below.

16. Arrange the following fractions in descending order.

The state of the s

 $\frac{2}{3}$ ,  $\frac{1}{4}$ ,  $\frac{5}{6}$  and  $\frac{1}{2}$ 

17. It started raining at 11:20am and lasted for  $2\frac{1}{4}$  hours. At what time did it end?

bers enter Frier strades mi QUQ UNS Freeze Con-

A PART BELLEVILLE BELL

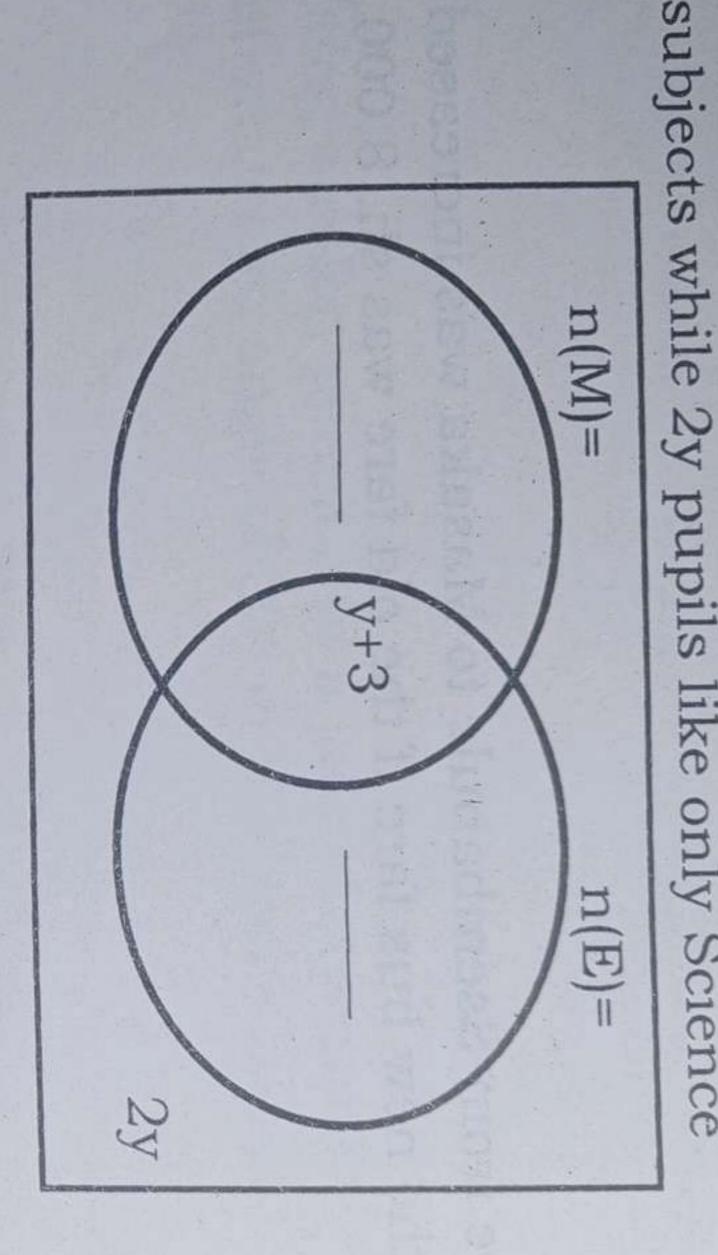
19. The bus f The bus fare from Ssembabule to 12%. Find the new bus fare if the old fare was sh. 8,000. Masaka was increased by

James is 4 times as old as John. The difference in their ages is 18 years. How old will John be in 5 years time?

# SECTION B (60MARKS)

They Paul, Justine and Lule are workers of a certain factory sh. 27,000 more than Paul. Find the amount of spent on the three works. (4marks) are paid the ratio of 4:2:5 respectively. If Lule is paid money

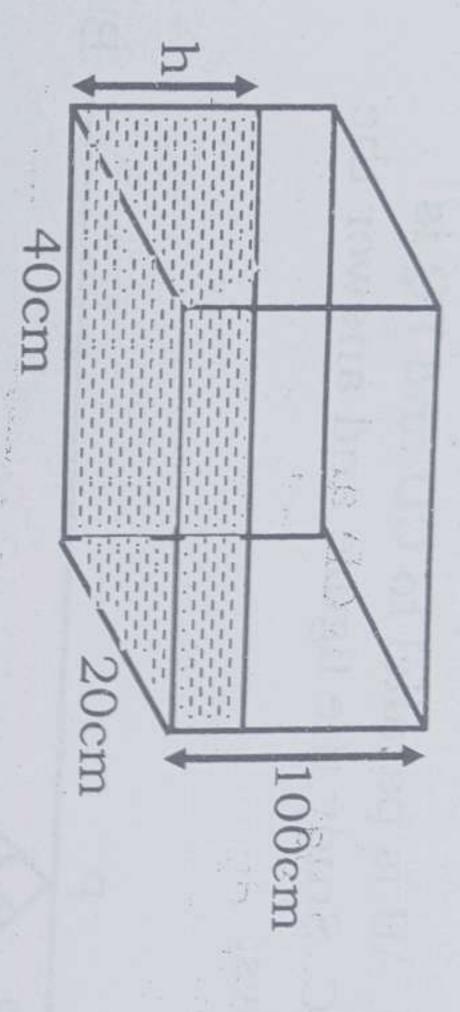
Mathematics (M) and Science only (2y+9) pupils like English and Science only, class, all pupils like Science (S). pupils like (y+3) pupils like all the only Science 5y-3) pupils like three



those who like both English and Science, find the If the number of pupils who do not like English is twice value of

Joyce spent 1 of her salary salary. (5marks) on food and 20,000 less on transport than on she spends the rest on transport. If she spend on rent and rent, find her total of the remainder

tank below currently holding 72 litres of fuel



a) Find the value of h. (3marks)

needed to fi the tank? (2marks

21/2 (a) John went to the 500ml of cooking oil at sh. 4800 3kg of sugar at sh 4800 each. below; bars of soap of Calculate his total expendi rice at sh. 5200 a kg. at sh. 16000. shop and bought the following (4marks) items

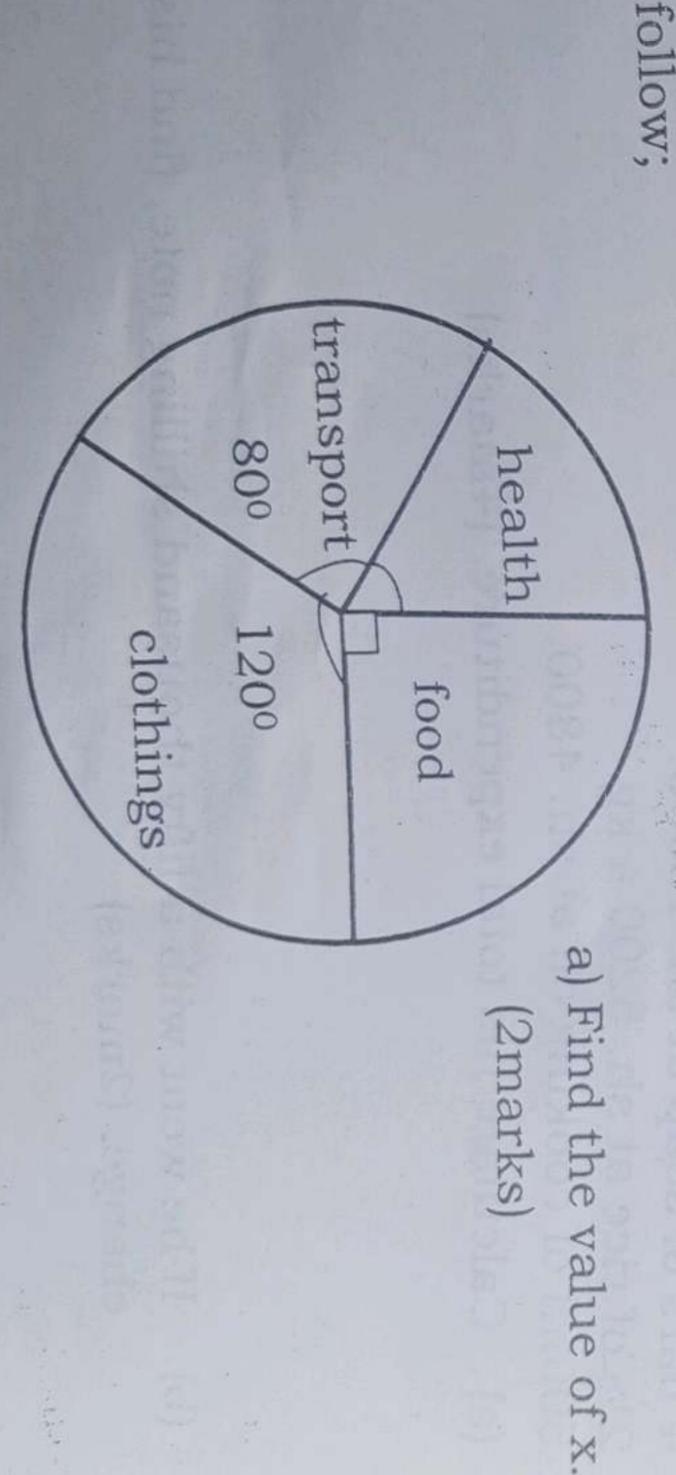
change. he went with (2marks) a fifty thousand shilling note, find his

perpendicular to PC. Study the figure question that follows; the figure below, AB is parallel to and answer the and PQ is

the size of angle Pold Tra (4marks) 550 WINE POLO

4

The pie-chart below shows Study it carefully and use it to answer Joan's monthly expenditure. questions that



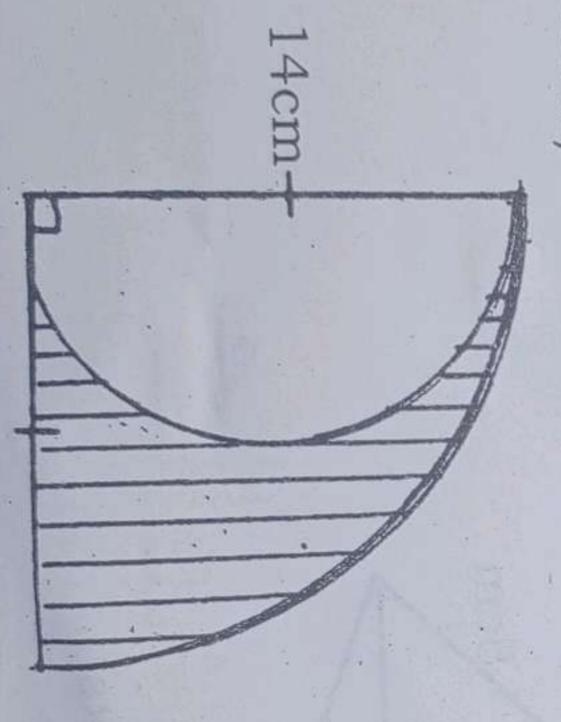
much she spends was her monthly sh. 420,000 salary. (3marks) food and clothings, how

The cost of a book is pen the three costs is sh. two-thirds of the 9000. sh. 600 Find cost more cost of of a book. than the a book. (5marks) cost The of total cost a ruler.

-

The state of the s

Study (5marks the figure below and find the area of the shaded



Mukasa uses this route as sh own below when going to

Town Masaka Lwebitakuli Mateete Kyabakuza Buyoga Masaka City Arrival 1:05p.m 12:05p.m 1:30p.m 1:10a.m time 11:35a.m Departure time 10:30a.m 12:20p.m 1:20p.m

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At what time did she arrive at Buyaga? 1 mark

For how

long did

she stay

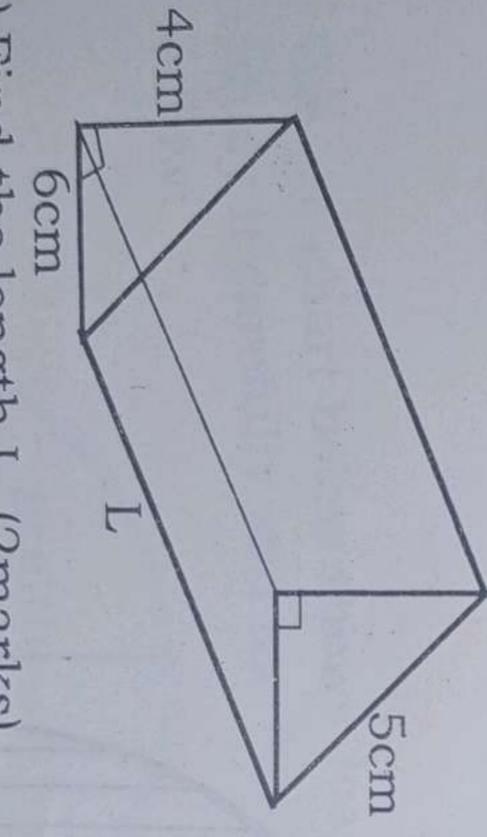
at Mateete?

Imark

100

If she covered travels at a speed of 96km/h, find from Lwebitakuli to Masaka. (3marks the distance

sum of all edges of the prism below



a) Find the length L. (2marks)

b) Calculate its volume. (3marks)

- 32. A boat man sailed from part A to part B on a bearing of 120° a distance of 54km. he then continued to port C a distance of 60km on a bearing of 230°.
- a) Draw a sketch distance to represent the journey. (1mark)

b) Using a scale of 1cm to represent 10km, draw an accurate diagram for the journey. (4marks)

c) Find the bearing of port C from port A. (1mark)

END