THE DREAM EDUCATION CONCERN

PRE-PLE SET III - 2024

MATHEMATICS

Time allowed 2hours & 30minutes

Candidates 'Name: .....
School: .....
Candidates' Signature: .....

INDEX NO	Random Number						Personal No.		

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

Read the following instructions carefully

1. This paper is made up of two sections: A and B.
2. Section A has 20 questions (40 marks).
3. Section B has 12 questions (60 marks).
4. Answer ALL questions in both sections A and B.
5. All answers MUST be written in the space provided in blue or black ball point pens or ink.
6. All diagrams Should be in pencil.
7. Unnecessary crossing of answers will lead to loss of Marks.
8. Poor hand writing which cannot be easily read, may lead to loss of marks.

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	SIGN
1– 10		
11-18		
19-22		
23-24		
25-27		
28-31		
31-32		
TOTAL		

TRUST THE DREAM EDUCATION CONCERN. P7 MATHEMATICS PRE-PLE SET III-2024 EXAMINATION

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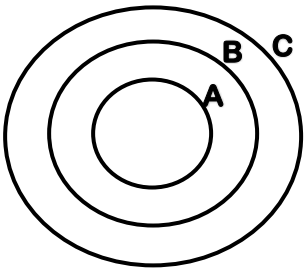
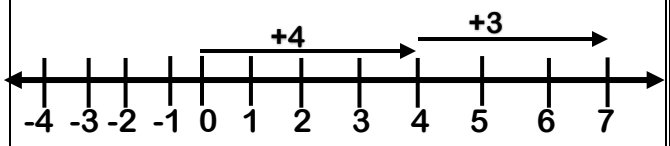
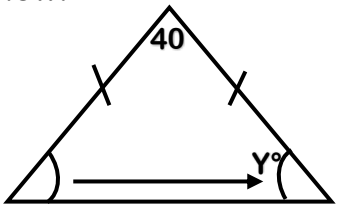
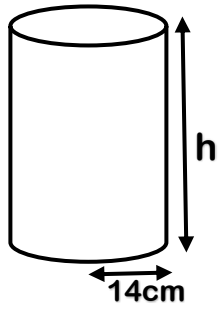
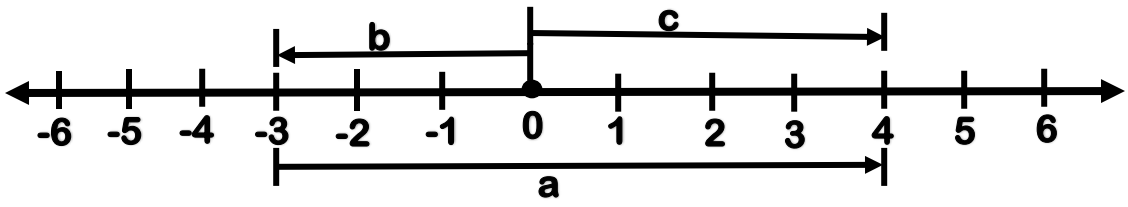
SECTION A (40 MARKS)

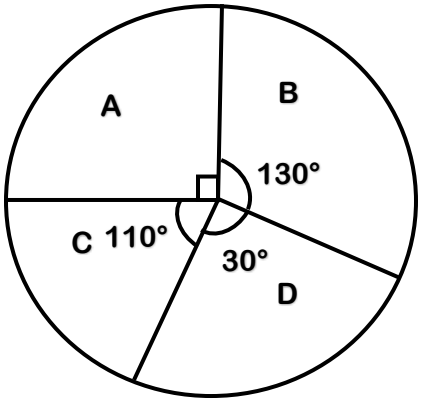
1	Work out: $1\frac{3}{4} + 1\frac{5}{6}$	2	Find the sum of the first 20 counting number.
3	By what percentage will 100 be decreased to become 80?	4	Given that set A {a, b, c}. Find the number of subsets set A has
5	Change 234_{six} to denary base	6	Express 650000 in scientific rotation
7	Write MXLV in Hindu Arabic numeral	8	Workout 3816648 by 132 using long division
9	Write in figures: fifty-seven million four hundred twenty-one thousand nine hundred five.	10	Describe the set below 

11	Find the next number in the sequence below. 2, 3, 5, 8, 12, _____, _____	12	Nalubega sold her sheep at sh.34000 and made a loss of 15%. How much did the sheep cost?
13	Namukose borrowed money from pride micro finance bank at a rate of 10% p.a (per annum) for 3 years. Calculate the amount she borrowed if she returned shs.26000 after 3 years	14	Work out +4 + +3 using the number line. 
15	Find the value of Y using the figure below.  	16	Using a pair of compasses, ruler and a pencil only construct angle 225°.
17	The distance between two markets is on a map is 6cm.Calculate the scale used on that map if the actual distance is 120km.	18	The bus left Karamoja at 13:15 hours and reached Kampala at 16:30hours, how long did the journey take?

19	The volume of the cylinder below is 18480cm3. Find the height(h).  	20	Factories 4xy – 12y completely

SECTION B

21	Given that n(A) = 30, n(B) = 25 and n(AuB) = 45. (a) Draw a Venn diagram to show the above information (b) Find AnB (c) If a member is picked at random, find the probability of selecting a member in $(AnB)^1$
22	Use the number line to answer the questions that follow.  (a) Name the integers represented by the arrows.

	(b) Work out the difference between b and a.
23	**Study the pie chart below which shows the number of HIV testing kits which were given to different villages in 2016 and use it to answer the questions that follows.**  **(a) How many kits were distributed altogether if country D got 15millioom?** **(b) How many kits were distributed to country B?** **(c) How many more kits were distributed to country C than country A?**
24	**Construct a regular pentagon of 5cm.**

25	Calculate the area of a quadrant of circle with radius 14cm. (use π r = $\frac{22}{7}$)
26	Divine, Kato and Babirye shared a certain amount of money for their Christmas shopping in the ratio of 2 : 3 : 5 respectively. if Babirye got 1500 more than Divine, (a) How much did each get? (b) How much money was shared by all the three children together?
27	Use the shown currencies of different countries to answer the questions that follows. Exchange rates 1US $ = Ug sh. 3700 1Tz sh. = Ug sh. 22 1K sh. =Ug sh. 20 (a) How much in Uganda shillings is equivalent to $ 20 plus Tz shs. 3000? (b) Nalule works with the Tanzania Airways if her monthly salary is Ug shs.33000. What is her salary in Tanzanian currency

28 Kudosi packed 3cm cubes in a space of 30cm by 16cm by 9cm.Calculate the space left after packing.

29 A primary five class did a mathematics examination and the following marks were scored. 70, 65, 60, 50,60, 65, 55, 60,75 and 80

(a) Find the mode. (1mark)

(b) Calculate the mean. (2marks)

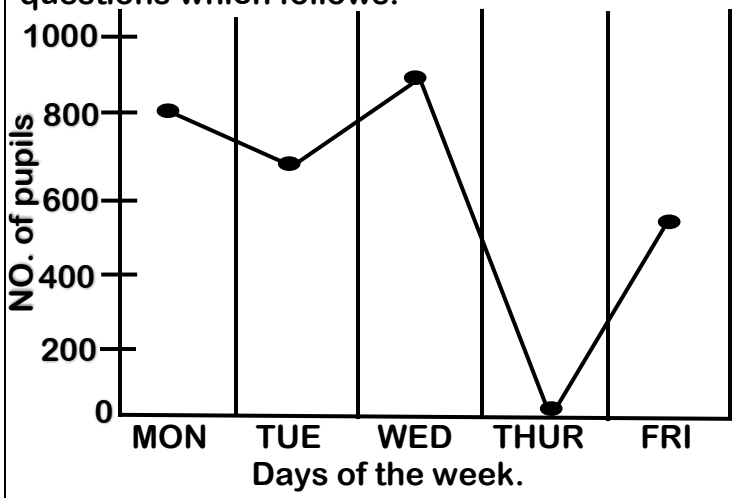
(c) Find the median mark. (2marks)

30 Omara went to the super market with sh. 100,000, if he bought the items as shown below is the table and remained with sh.16800 as change. Complete the table below with proper working shown.

ITEMS	QUANTINTY	COST PER UNIT	TOTAL COST
Sugar	5KG	_____	_____
Smearing oil	_____	1600	32000
Shoe polish	3 TINS	_____	7500
Bread	_____	53OO	21200
Total Expenses			_____

31 Study the table below and answer questions below.

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1	2	3	4	5	6	7	8	9	10	11	12

	(a) It is July now, which month of the year will it be after 2 1 3 2 months. (b) Simplify X – 4 = 3 (mod 7)
32	Cabrine college's attendance was represented by the graph below. study the questions which follows.  (a) On which day of the week was the attendance high? (1mark) (b) How many pupils attended on Tuesday? (1mark) (c) What is the average attendance of the week? (3marks)

THE DREAM WISHES YOU SUCCESS AS YOU WATCH OUT FOR SET FOUR