BILL DAY SCHOOL NAKAGERE
P.O. BOX 176, LUGAZI
MID TERM 2 EXAMINATIONS 2024
P.6 MATHEMATICS

Name: .... Stream: ....

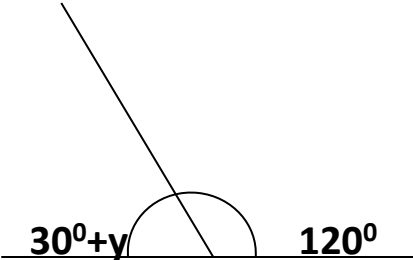## Read the following instructions carefully.

1.   Do not open the booklet until you are told to do so.

2.   This paper has got two sections: **A** and **B**.

3.   Section **A** has 20 questions (**40marks**) and Section **B** has 12 questions (**60mks**)

4.   Answer **ALL** questions. All answers to both sections **A** and **B MUST** be written in the spaces provided.

5.   **All** answers must be written using a **blue** or **black** ball point pen or ink. Diagrams should be drawn in pencil.

6.   **Un necessary** alteration of work may lead to loss of marks.

7.   Any handwriting that cannot be easily read may lead to loss of marks.
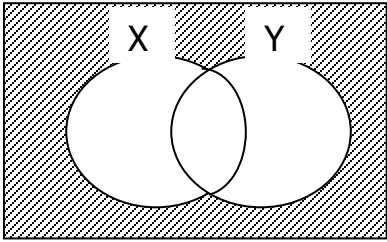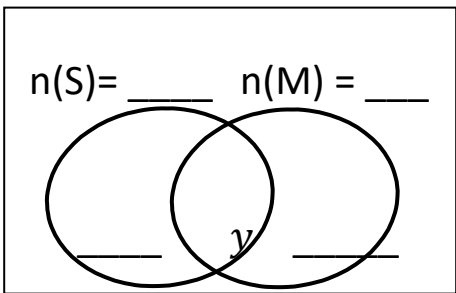
FOR EXAMINER'S USE ONLY

SECTION A		Total (%)
SECTION B		

SECTION A (40 MARKS)

1.	Work out: 12 + 28	2.	Kateregga ate $\frac{1}{3}$ of his sugarcane in the morning and the rest in the evening. What fraction did eat in the evening?
3.	Find the least when divided by either 6 or 8 leaves a remainder of 3.	4.	Express 3.75 kg as grams
5.	Write 2650 in standard form	6.	Solve for m: 2m + 5 = 15

7.	Lule started his journey at **9:30am** and reached his destination at **10:30am**. For how long did he take to complete his journey?	8.	What is the probability that it will rain on a day beginning with letter **"S"** next week?
9.	Express 15 minutes as a percentage of 2 hours.	10.	Given that A = (all vowel letters). How many proper subsets has set a?
11.	Find the value of **y** in the figure below. $30^0 + y$ 120^0	12.	Prime factorise 12 and 15. Represent their prime factors on a Venn diagram

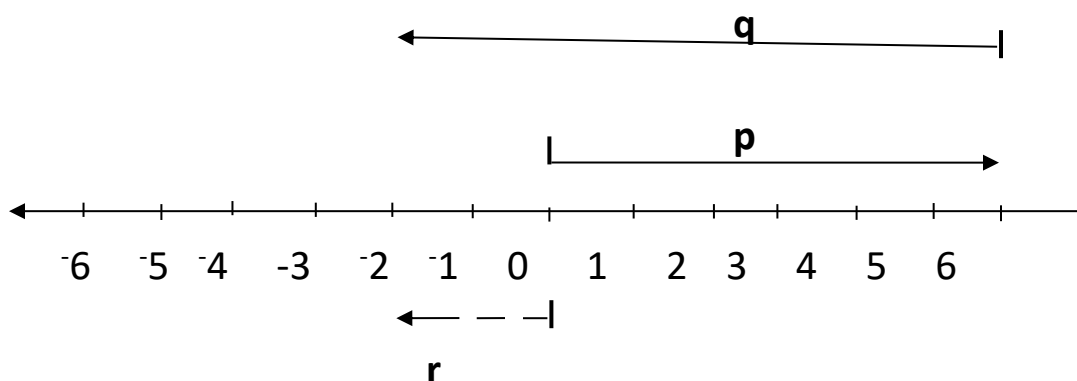|			
13.	Mubiru collect 5 fives and measured their weights as follows; 14 kg, 12 kg, 10 kg, 15 kg, and 9 kg. calculate the average weights of the 5 goats.	14.	During the general, Christine stood in the 8th position of the line from the either sides, how many girls were in that line altogether.
15.	Find the missing numbers in 2, 3, 5, 7, ____ , _____	16.	Draw tallies to show 18 sheep
17.	4 men can dig a piece of land in 6 days, how many men can dig it in 8 days?	18.	**Express 0.2727……….as a common** fraction in its simplified form.

| 19. | Describe the shaded region. _____ | 20. | Round off 24.37 to the nearest tenths. |

| | | SECTION B | | |

| 21. | At a party attended by 60 guests, 35 took soda (S), 30 took mineral water (M), y both and 5 took alcohol. Represent this on a Venn Diagram. | a) | (2 marks) $n(\varepsilon)$ = _____ $n(S)$= ____ $n(M)$ = ___ ____ y ____ |

| b) | Find the value of y (2mrks) | c) | How many people took only one type of drinks? (2 mrks) |

22.	At Bill Day School Nakagere are two bells rung in the intervals of 30 minutes and 40 minutes respectively. After how long are they rung together in hours? (3 mrks)	23.	The table below show the performance of the P.6 class in a Maths test

Marks	70	50	90	40	80
pupils	2	1	1	2	4

a) Find

i) Range (2 mrks)

ii) Modal mark (1 mrk)

b)	If they were last rung together at 9:00 a.m., when they rung again together? (2 mrks)	b)	Work out their average mark (2 mks)

24.	In the space below, construct a regular hexagon in a circle of radius 3.5 cm. calculate its perimeter. (5 mks)	25.	A farmer distributed **Shs. 60,000** among his wife, son and daughter in the ratio of **1:2:3** respectively. How much did each get? (5 mrks)
26.	**Simplify:** $\dfrac{0.4 \times 0.8}{0.02}$ (3 mrks)	b)	Increase 40 kg in 4:5 (2 mrks)

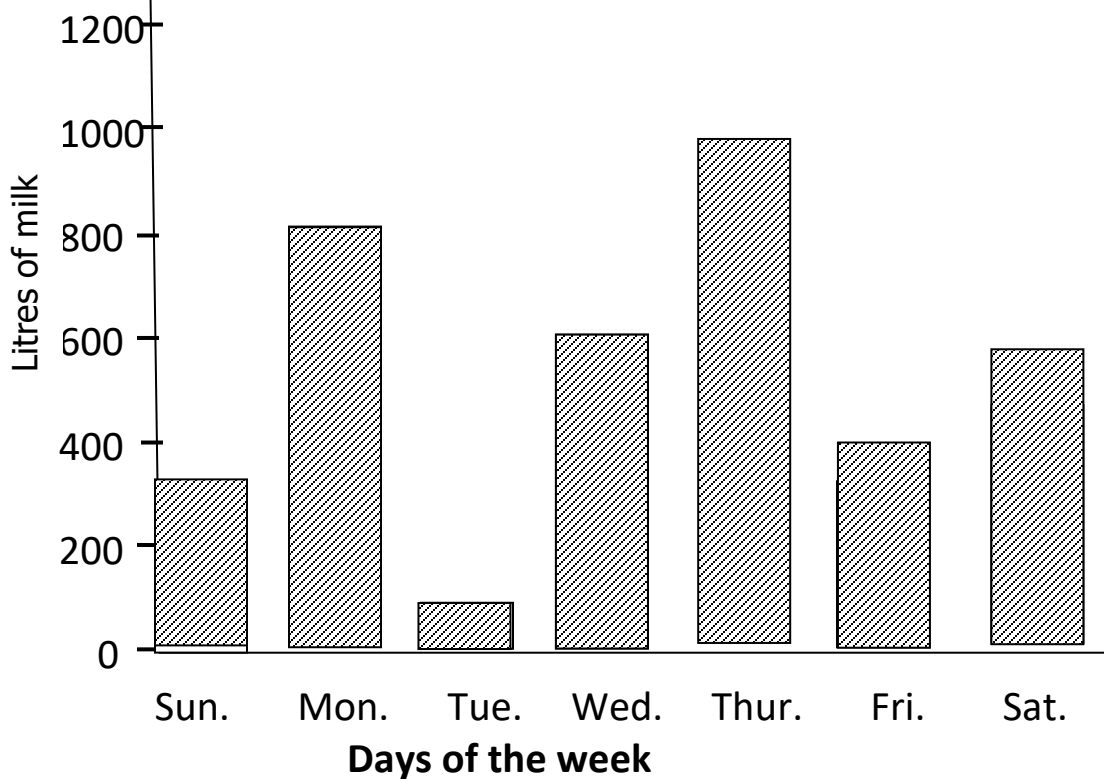|	
27.	Arrange $\frac{1}{2}, \frac{1}{4}$ and $\frac{2}{3}$ in ascending order. (5 mrks)

28.	Below is an arrow diagram. Use it to answer questions that follow.
	
	a) Write down integers represented by letters on the number line. (3mks)
	
	    i) **p**_____
	
	    ii) **r** _____
	
	    iii) **q** _____
	
	b) Write the mathematical statement. (2 marks)

29. a)	A mother is thrice as old as her daughter, if their age is 40 years. How old is the mother now? (3 mrks)	30.	The sum of three consecutive even numbers is 48. What are the numbers? (4 mrks)
b)	How old will the daughter be 5 years to come? (2 mrks)	b)	Work out their median (1 mrk)

31. Ongom went shopping with a shs. 50,000/= note and bought the following items in the table. Study it carefully to answer the questions below.

item	quantity	Unity cost	total
Sugar	$2\frac{1}{2}$ kg	Shs. 4,000 /=	Shs. _____
Rice	_____ kg	Shs. 5,000 /=	Shs. 10,000 /=
Blue band	500 grams	Shs. _____ @kg	Shs. 4,000 /=

Complete the above table, show the working and find his change (5 mrks)

32. The graph below shows amount of milk sold at a dairy in a week.

a) How many liters were sold on Sunday?   (1 mrk)

b) How much milk was sold on both Wednesday and Thursdays? (2 mrks)

c) How much milk was sold in the whole week? (2mks)