WAKISO DISTRICT JOINT EXAMINATIONS BOARD

(WAKISO MAIN, KIRA, MAKINDYE AND NANSANA MUNICIPALITY)

INTERNAL ASSESSMENT SET ONE TERM II 2024

PRIMARY SEVEN MATHEMATICS

TIME ALLOWED: 2 HOURS AND 30 MINUTES

NAME: .....

SCHOOL: .....

INDEX NO.	Emis No.	Personal No.

DISTRICT/ MUNICIPALITY: .....

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two sections A and B

2. Section A has 20 questions (40 marks)
   and B has 12 questions (60 marks)

3. Answer all questions in both sections A and B.

4. All answers must be written in the spaces provided in Blue or Black ink.
   Only diagrams and graph work be done in pencil

5. Any handwriting which cannot be read, may lead to loss of marks.

6. Unnecessary crossings will lead to loss of marks.

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FOR EXAMINER'S USE ONLY		
QN NO.	MARKS	SIGN
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 (40 MARKS)

1. Work out:
6.72 + 0.4

2. Simplify:
7w + 3w + w

3. Write seventy thousand two hundred seven in figures.

4. Given that set K = {w, y, k}. Find the number of proper subsets that can be formed from set K.

5. Shade $\frac{2}{3}$

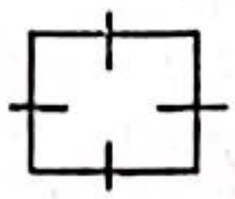
6. Solve:
3m – 6 = 54

7. Round off 47.65 to the nearest whole number.

8. Express 149 in Roman Numerals.

9. Find the next number in the sequence.
27, 26, 24, 21, 17, _____

10. 5 books cost sh. 4000. Find the cost of 2 books.

11.	If ▭ represents 20 bars of soap, draw pictures to represent 50 bars of soap.	12.	The volume of the rectangular tank is $240cm^3$. If its length is 10cm and width 8cm. Find its height.
13.	A bus driver started his journey at 8:35am. If he drove for 2 hours and 45 minutes, at what time did he reach his destination?	14.	The area of the figure below is $12\frac{1}{4}\ m^2$. Find the length of its side. 
15	Write the solution set for: $3n - 1 \leq 11$	16	Calculate the simple interest on sh. 30,000 kept in a bank for 6 months at $12\frac{1}{2}$% per annum.
17.	Simplify: $^{+}4 + ^{-}7$	18.	Multiply: 11_{two} by 11_{two}

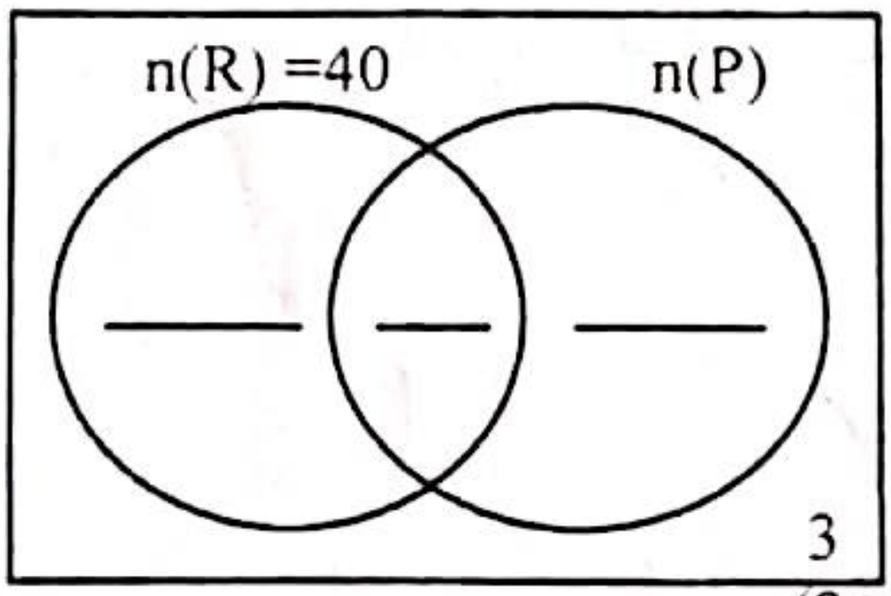
19. The circumference of the circle is 176cm. Find its radius.

20. In the space below, construct an angle of 75^0.

SECTION B (60 MARKS)

21. In a class of 65 pupils, 40 eat rice (R), 2d eat posho (P) only, 9 eat both rice and posho and 3 eat neither of the two food stuffs.

a) Represent the above information on the venn diagram below.



(3mks)

b) Find the value of d.

(1mk)

c) How many pupils like posho?

(1mk)

d) How many pupils eat only one type of food?

(1mk)

22. Use the shopping list below to answer the questions that follow.

4 books	sh. 3,000 per book
$2\frac{1}{2}$ dozens of pencils	sh. 60,000 per dozen
0.5 kg of sugar	sh. 4000 per kg
3 pens	sh. 1,000

a) Find the total cost of the above items.

(4mks)

b) If one pays in with a five hundred thousand shilling note, calculate his change.

(1mk)

23. Peter, Paul and Joel shared a certain amount of money in the ratio of 2:3:7. If Joel got sh. 150,000 more than Paul, how much money did they share?

(3mks)

b) How much money did Peter get?

(1mk)

24. Solve the following equations.

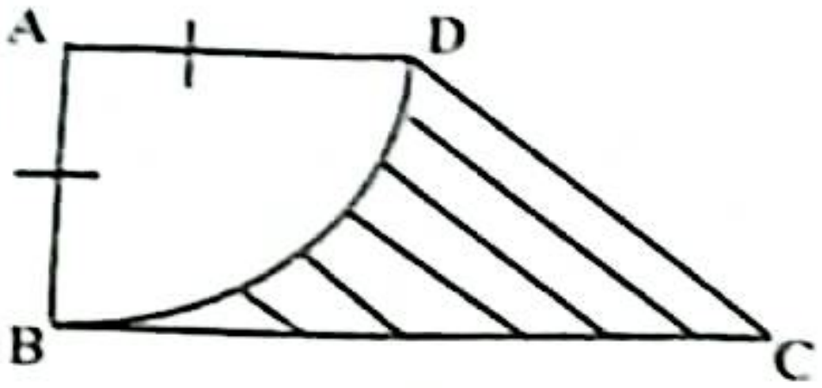
a) $M^2 + 6 = 70$

(2mks)

b) $3(y-2) + 4(y-2) = 7$

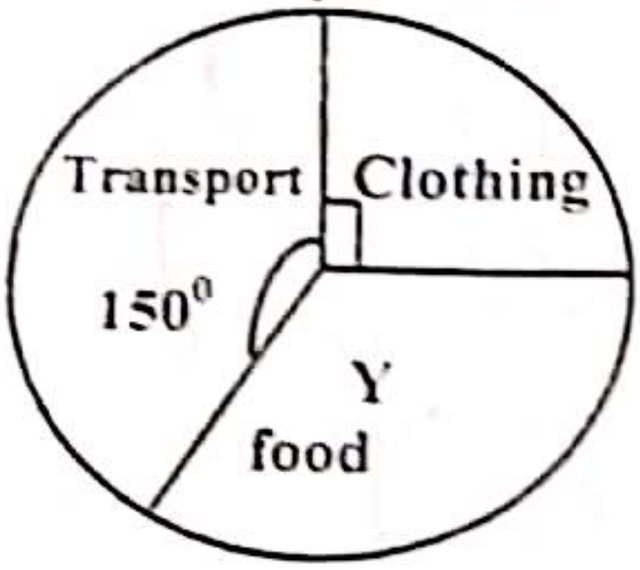
(2mks)

25. The figure below is a trapezium where AB = AD = 14cm, BC = 28cm and ABD forms a quarter of a circle. Calculate the area of the shaded part. ($\pi = \frac{22}{7}$)



(5mks)

26. The pie chart below shows how Mr. Mugagga spends his salary. Use it to answer the questions that follow.



a) Find the value of Y.

(3mks)

b) If sh. 30,000 is spent on clothing. How much does Mugagga earn as his monthly income?

(2mks)

b) What percentage are the Mathematics books?

(1mk)

27. In the library, there are 1000 books. 30% are English books, 20% are Science books and the rest are Mathematics books.

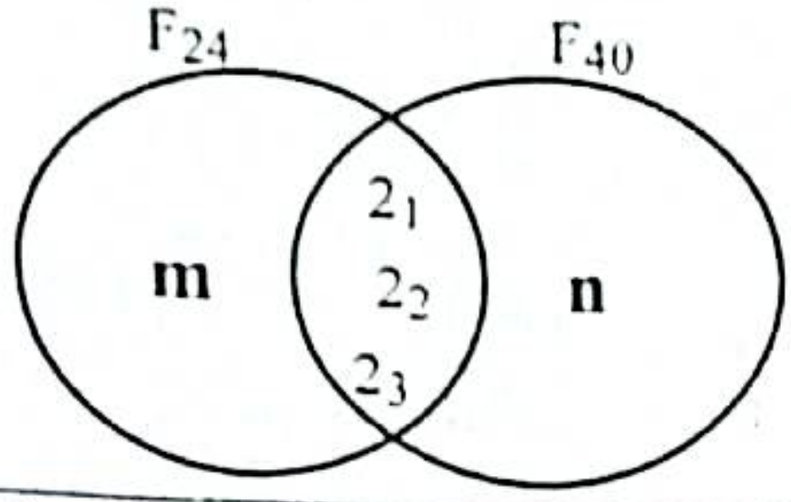
a) How many books are for English?

(2mk)

d) Calculate the number of Mathematics books?

(2mks

28. Use the venn diagram below to answer the questions that follow.



a) Find the value of m.

(2mks)

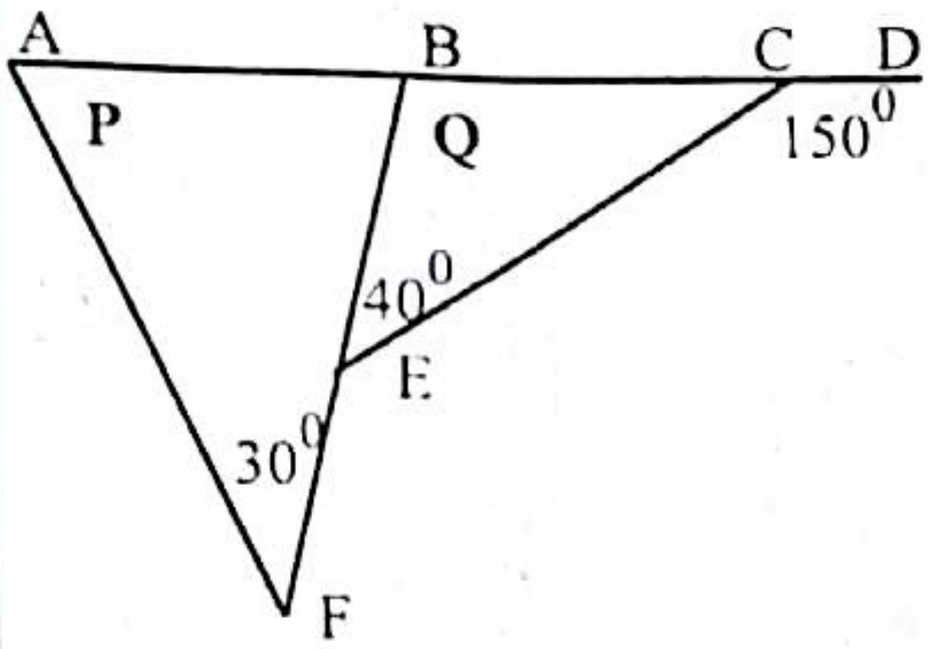
b) Find the value of n.

(2mks)

c) Find the LCM of 24 and 40.

(1mk)

29. In the diagram below, ABCD is a straight line, angle BEC = 40^0, angle ECD = 150^0, angle AFB = 30^0. Use the information given to find the value of angle P and Q.



(5mks)

30. Simplify the following.

a) +8 - -2

b) -2 - - 8

c) -8 – -2

d) -2 x -8

(5mks

31. Use the table below to answer the questions that follow.

Marks	40	70	90	60
No of pupils	4	3	1	2

a) Find the modal frequency

(1mk

b) Find the range.

(2mks)

c) Calculate the mean.

(3mk

32. a) In the space below, construct a rhombus ABCD where by diagonal DB is 10cm and diagonal AC = 12cm

(4mk

b) Find the area of the rhombus.

(2m

END