SECTION A (40 MARKS)

Answer all questions in this section.

1. Add: 3.7 + 2.3

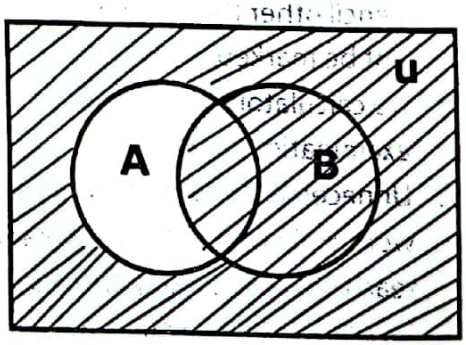
2. Write **49** as a Roman Numeral.

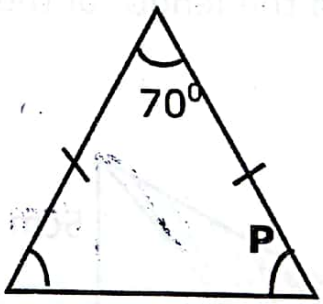
3. Subtract: $\frac{1}{2} - \frac{1}{4}$

4. Find the next numbers in the sequence.
1, 3, 6, 10, 15, _____, _____

5. Write eighty four thousand forty eight in figures.

6. Describe the shaded region in the Venn diagram below.



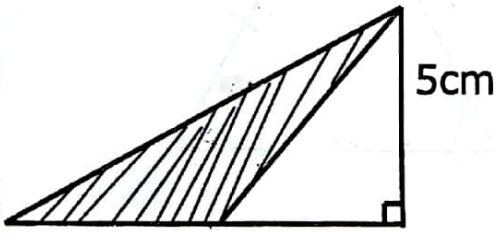
7.	Factorize completely: $4ap - 2a$	8.	Simplify: $-9 - {}^{+}4 =$
9.	Show twenty minutes to three o'clock on the face shown. 	10.	Given that **a=2, b= $^{-}$4**. Find the value of **3a – b**.
11.	If today is Thursday, what day of the week will it be 102 days from now?	12.	Find the size of the angle marked **P** in the figure below. 
13.	Round off **246.8** to the nearest whole number.	14.	Subtract: $1010_{two} - 111_{two}$

15. When $\frac{1}{9}$ of the pupils in a class are absent, 32 pupils are present. Find the number of pupils in the class.

16. A school bursar deposited a bundle of twenty thousand shilling notes numbered from **BR2854600** to **BR2854799** consecutively. How much money did the bursar deposit?

17. Express 750 millilitres to litres.

18. The area of the shaded triangle is $20cm^2$. If the height of the triangle is 5cm, find the length of the base of the shaded triangle.

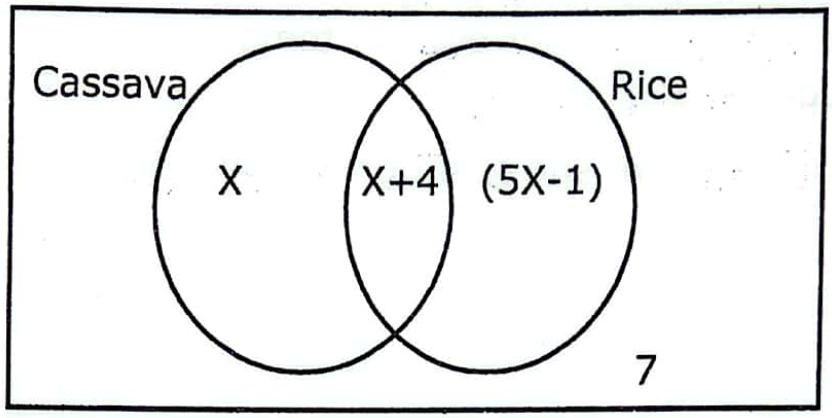


19. Find the median of the following integers.
4, -1, 2, 0, -4

20. Simplify: $3^2 \times 3^5$

SECTION B (60 MARKS)

21. The venn diagram below shows the number of farmers who grow different crops in a community farm.



(a) If 24 farmers grow cassava, find the value of **X**.

(3mrks)

(b) How many farmers grow only one crop?

(2mks)

22. Mukasa has two children, Kigongo and Kityo. If Kigongo is half his age, Kityo is a third his age and the total age of the two children is 30 years.

(a) How old is Mukasa?

(3mks)

(b) How old is the younger child?

(1mrk)

23.	Shanitah went to the market and bought the following items. (i) $3\frac{1}{2}$ Kg of rice in half kg packets at shs. 1,900 @ pack (ii) 3kgs of meat at shs. 14,000 @ kg. (iii) 12 tomatoes at shs. 500 for every 4 tomatoes. (iv) $2\frac{1}{2}$ Kg of sugar at shs. 12,500/=
(a)	Calculate the total amount she spent on all the items. (5mrks)
(b)	If she was given change of shs.700, how much money did she take to the shop? (2mrks)
24.	Using a ruler, pencil and a pair of compasses only, construct a triangle **LMN**. Where angle **LMN**=60^0, line **MN**= 7cm, and angle **MNL**= 45^0 in the space below. (4mrks)

(b) Measure line **LM**

(1mrk)

25. A tailor used $\frac{3}{8}$ of a roll of cloth in making jackets and $\frac{2}{5}$ of the remainder in making trousers. He was then left with 9 metres. How long was the roll of the cloth at first?

(5mrks)

26. Workout: $\frac{1.8 \times 4.8}{0.8 \times 5.4}$

(3mrks)

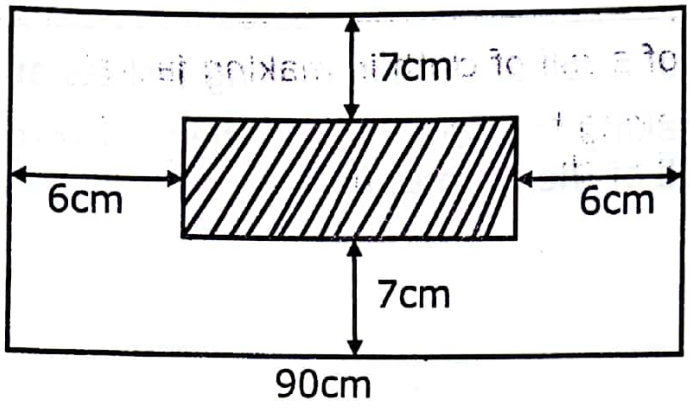
(b) Express 0.1333.....as a fraction in its lowest terms

(3mrks)

27. Moses and Ali went on a journey. Moses started at 6:00a.m and walked the distance at 5km/hr. Ali cycled at 15km/hr. They arrived together at 11:00a.m. At what time did Ali start his journey?

(5mrks)

28. A piece of cloth is laid on a table 90cm long and 70cm wide as shown in the figure below. The area covered by the piece of cloth is shaded.



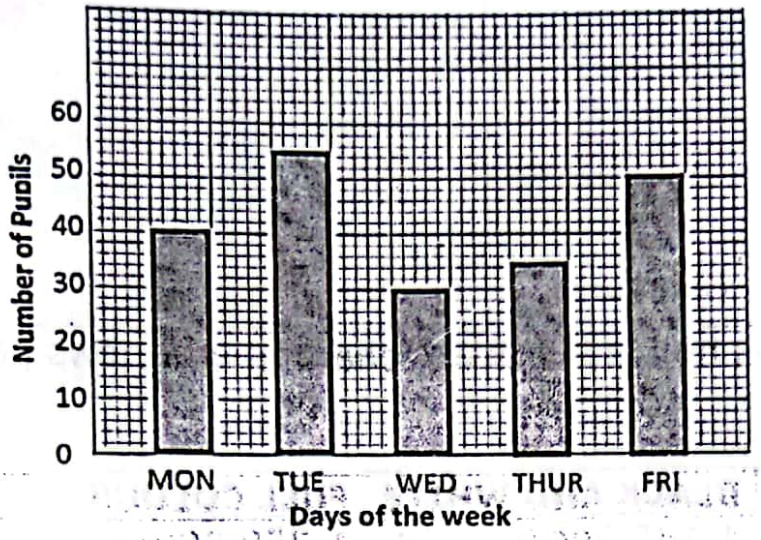
28 (a) Find the length and width of the piece of cloth. (2mrks)

(b) Find the area of the table which is not covered with a piece of cloth. (3mrks)

29. A man got a loan of sh. 120,000 from a Savings and Credit Cooperative Society at a simple interest rate of 8% per annum. He paid an interest of sh. 7,200 on the loan. For how long was the loan? (3mrks)

30. The graph below shows the attendance of P.7 pupils last week in Kagera primary school. Use it to answer the questions that follow. If it registered 60 pupils in the primary seven class.

Days of the week	Mon	Tue	Wed	Thur	Fri
No. pupils	40	55	30	35	50



(a) How many pupils were present on Thursday?

(1mrk)

(b) Find the difference between the highest and the lowest attendance.

(1mrk)

(c) How many pupils were absent on Tuesday?

(1mrk)

(d) Find the average number of pupils absent in that week.

(3mrks)

31. (a) Solve for **n**:

$34_{\mathbf{n}} = 201_{three}$

(2mrks)

(b) Simplify: $\frac{(\bar{3} - \bar{9}) - (7)}{\bar{2}}$

(3mrks)

32. The table below shows how adverts are charged in a news paper per week.

SIZE	BLACK AND WHITE	FULL COLOUR
Full page (inside)	1,145,300/=	1,750,000/=
Half page	572,650/=	875,000/=
Quarter page	286,000/=	438,000/=
Front page	1,140,000/=	1,630,000/=
Back page	280,000/=	610,000/=
20% DISCOUNT EVERY AFTER 7 DAYS		

What would be the cost of advertising a full page in black and white for 3 weeks?

(4mrks)

END