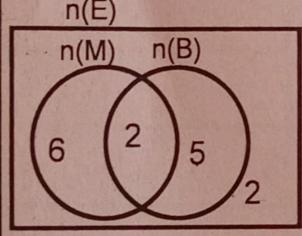
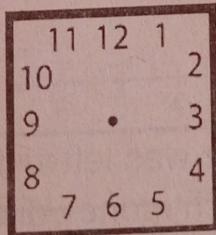


**SECTION A: 40 MARKS**

Attempt all questions in this section  
Questions 1 to 20 carry two marks each.

1.	<b>Work out:</b> $\frac{5}{7} - \frac{2}{7}$	2. Find the missing number. $8 + \boxed{\quad} = 14$
3.	<b>Add;</b> years              months $  \begin{array}{r}  3 \\  + 2 \\  \hline  \end{array}  \qquad  \begin{array}{r}  8 \\  + 9 \\  \hline  \end{array}  $	4. Without dividing, show that 708 is divisible by 3.
5.	Express 0.25 to a common simplified fraction.	6. Expand 1,079 using place values.
7.	The venn diagram below shows guests who were served with <b>meat (M)</b> and <b>beans (B)</b> . Use it to find the probability that a guest who was served with beans said the closing prayer. 	8. Tom was facing Northeast, he turned anti-clockwise through an angle of $135^\circ$ , what was his new direction?
9	Annet bought a watch at sh.12,000 and later sold it at sh.16,500. Calculate Annet's profit.	10. The length of a square garden is 12dm. Work out its perimeter.

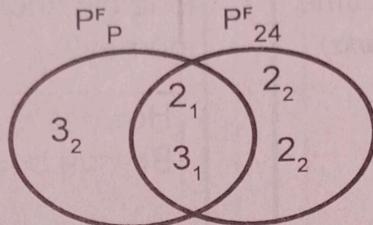
11.	Use $>$ , $<$ or $=$ to complete;	-7 _____ 0	12.	Work out; 7 3234
13.	Opio bought seven Hacko rulers at sh.18,200. Calculate the cost of each ruler.	14.	Work out:	$\frac{2}{5} + \frac{1}{3}$
15.	Using a pair of compasses, a pencil and a ruler only, construct an angle of $60^\circ$ in the space below.	16.	Solve for K; $2k - 3 = 7$	
17.	Show 20 minutes to 5 on the clock face below;	18.	Arrange the integers in descending order.	-4, +2, +5, 0 and -1
19.	A carton of wheat flour contains 12 packets. Each packet contains 2kg. How many kilograms are contained in one carton?	20.	Draw tallies to represent 24.	



**SECTION B: 60 MARKS**Attempt **all** questions in this section.Marks for **each part** of the question are indicated in the brackets.

21.a)	Express CXL in words.  (02 marks)	b)	Write 4205 in expanded form using exponents. (02 marks)
22.a)	2p and $p + 30^\circ$ are supplementary angles. Find the value of p.  (03 marks)	b)	How many degrees are there in $\frac{1}{2}$ revolution? (02 marks)
23.			Abdul bought the following items; 3 textbooks at sh.5000 each book. 2kg of beans at sh.4500 per kg. 500g of salt at sh.1600 per kg. 2pens at sh.1000.
a)	Find his total expenditure.  (04 marks)	b)	If he was left with sh.4200, how much money did he have at first? (01 mark)

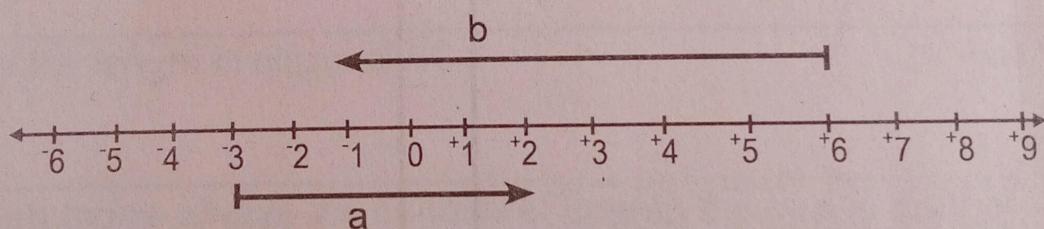
24. The venn diagram below shows prime factors of p and 24. Use it to answer the questions that follow.



a) Find the value of p. (02 marks)

b) Work out the HCF of p and 24. (02 marks) (c) Find the LCM of p and 24. (02 marks)

25. Study the number line below and answer the questions that follow.



a) Find the integer represented by the arrows; (02 marks)

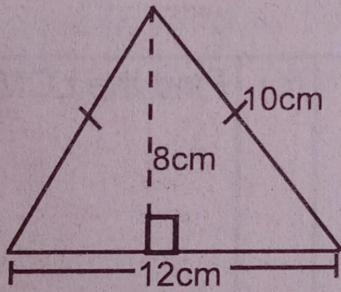
i)  $a =$

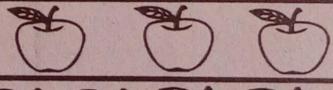
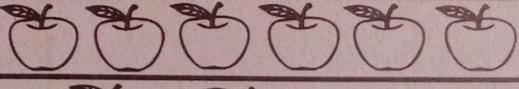
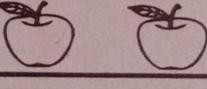
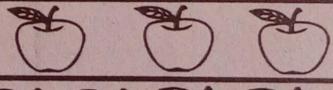
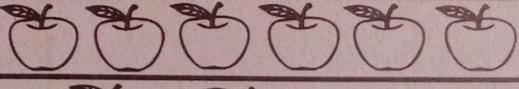
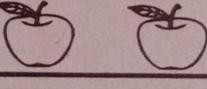
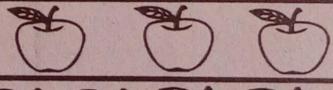
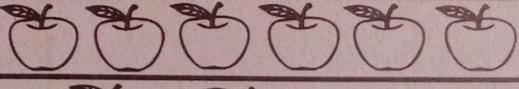
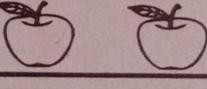
ii)  $b =$

b) Use  $<$ ,  $>$  or  $=$  to complete correctly. (02 marks)

i)  $-3 \square + 3$

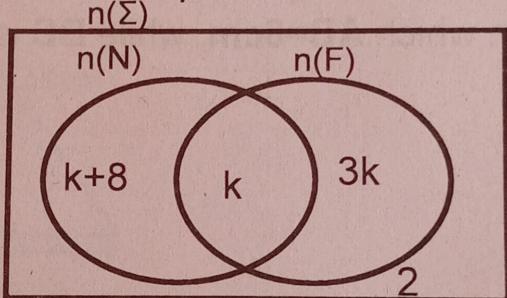
ii)  $+10 \square -20$

26.a) A mathematics examination started at 9:20am. If it lasted for 2 hours 30 minutes, at what time did it stop? (02 marks)	b) Akello drove to cover 180km at a steady speed of 45km/h. How long did she take to cover the journey? (02 marks)
27. The figure below is a triangle. Study and use it to answer the questions that follow.	
a) Find the <b>area</b> of the triangle. (02 marks)	b) Work out the <b>perimeter</b> of the above figure. (02 marks)
28.a) Work out: $\frac{2}{5} \div \frac{4}{1}$ (02 marks)	b) Simplify: $2.7 - 1.5 + 3.6$ (02 marks)

29.a)	i) Simplify; $3y + 5n + 2y - 2n$ (02 marks)	ii) Given that $a = -3$ , $b = 4$ . Find $ab$ . (02 marks)										
b)	Babirye is 5 years older than Kiiza. If their total age is 19 years; how old is Babirye?  (02 marks)											
30.a)	Using a pair of compasses, a pencil and a ruler only, construct a rectangle ABCD in which $AB=6\text{cm}$ , while $BC$ is $4\text{cm}$ .  (05 marks)											
b)	Measure the length of diagonal AC.  (01 mark)											
31.	The graph below shows the number of apples the pupils bought from the supermarket. Study and use it to answer the questions that follow.  <table border="1" data-bbox="366 1590 1282 1971"> <thead> <tr> <th>Name</th> <th>No. of apples</th> </tr> </thead> <tbody> <tr> <td>Betty</td> <td></td> </tr> <tr> <td>Ben</td> <td></td> </tr> <tr> <td>Brenda</td> <td></td> </tr> <tr> <td>Bosco</td> <td></td> </tr> </tbody> </table>  represents 12 apples	Name	No. of apples	Betty		Ben		Brenda		Bosco		
Name	No. of apples											
Betty												
Ben												
Brenda												
Bosco												

a)	How many apples did Bosco buy?  (01 mark)	b)	Which pupil bought half Brenda's apples?  (01 mark)
c)	How many apples did Betty buy?  (02 marks)	d)	How many more apples did Brenda buy than Betty? (02 marks)

32. The venn diagram below shows the number of pupils who like Football (F), Netball (N), both games and others do not like neither of the games. Use it to answer the questions that follow.



- a) Find the value of  $k$ , given that 20 pupils play netball. (02 marks)

- b) Find  $n(F)$ . (02 marks)
- c) What is the probability that the head prefect likes football only? (02 marks)