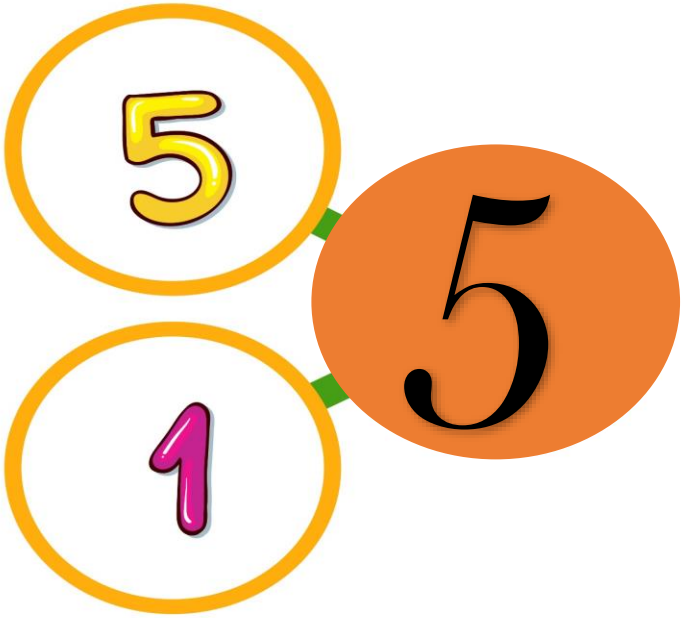
Tekart



Mathematics Revision

Name:

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PAPER 1

SECTION A – (40 MARKS)

1. Work out:

$$\begin{array}{r} 7\ 0 \\ +\ 2\ 4 \\ \hline \\ \hline \end{array}$$

2. Mary ate $\frac{1}{2}$ of the sugar cane on Monday and $\frac{2}{5}$ on Tuesday. What fraction did she remain with?

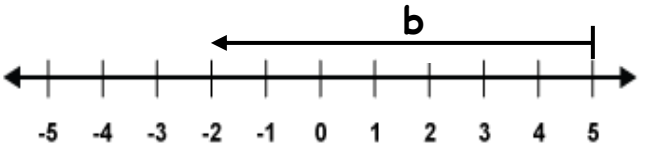
3. Set G = { cat , dog , rabbit}. Find n(G).

4. Find the next number in the sequence below.

   16 , 21 , 26 , 31 , 36 , ____

5. John bought 22 cows from the market. Draw tallies to represent the number of cows he bought.

6. Write the integer represented by letter **b** on the number line below.



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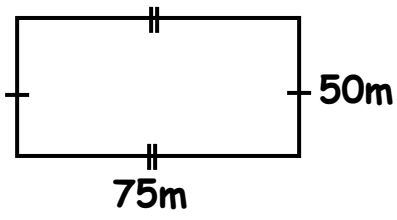
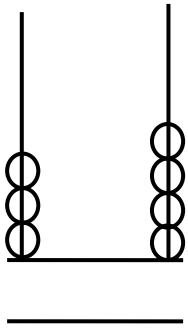
7. Round off the expanded number to the nearest tens. 3000 + 800 + 70 + 8	8. Use a ruler and a sharp pencil to draw a line segment AB = 3.5cm
9. A dance competition started at 8:00 am and ended at 9:10am. How long did the dance take?	10. The cost of an exercise book is Shs. 1000. Find the cost of a dozen of similar books?
11. The diagram below shows a rectangular swimming pool. If Mary walks around the pool once, find the distance that she will cover.  	12. John had some cows on his farm. He sold 18 cows and remained with 92 cows. How many cows did he have at first?

13. Solve: $2p + p - 7 = 5$

14. Arrange the following fractions in descending order.

0.2 , 0.6 , 0.8 , 0.4

15. T O



Write the answer in Roman numerals.

16. Use the diagrams below to answer the question.

Buying price

Selling price

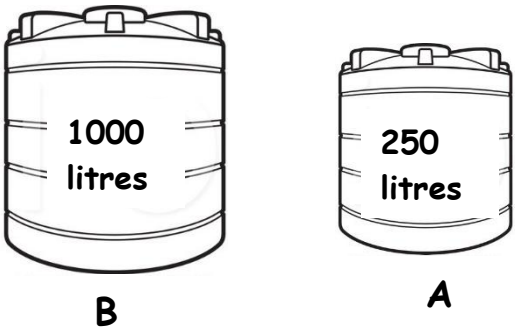
Find the profit made after selling the cup?

17. Change 12500 grammes into kilograms.

18. How many minutes are in $1\frac{1}{2}$ hours?

19. Mukasa scored the following marks in his mid-term exams.
98 , 95 , 92 , 95 and 100.
Work out his average mark.

20. Jessy filled the 1000 litre container **B** with water using container labelled **A**. How many times did he make to fill the 1000 litre container?



SECTION B: (60 marks)

21. A mother gave out 36 pieces of watermelon to her 3 children as follows.
Mark got $\frac{1}{3}$, mike $\frac{1}{4}$ and Moses got the rest.

(a) How many pieces did;

(i) Mark get?

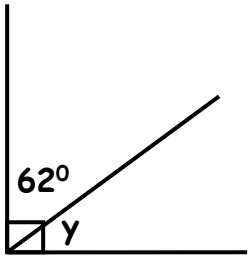
(ii) Mike get?

(b) How many pieces did Moses get?		
22. When Okello invited guests at his wedding party, 3617 women , 2398 men and 954 children attended. (a) How many adults attended the party altogether?		
(b) If each guest was served with 2 sodas, how many sodas were served?		
23. (a) Subtract: $4\ 4\ 1_{five}$ $-\ 1\ 3\ 2_{five}$		

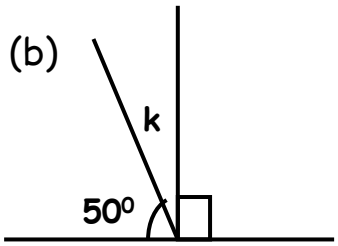
(b) Change 12_{five} into base ten.		
24. The price list below shows the unit cost of three items. 1 kg of sugar costs shs.5500 1 loaf of bread costs shs.4500 1 litre of milk costs shs.2400 (a) Find the total cost of 2kgs of sugar and 3 litres of milk.		
(b) If Clare had shs.20000 and bought 3 loaves of bread. Find her change.		

25. Find the value of the unknown angles.

(a)



(b)



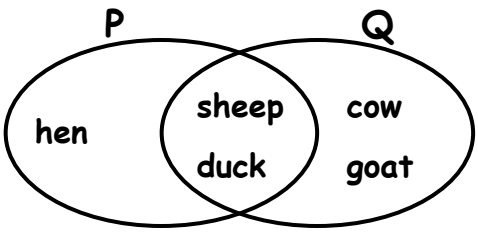
26. Given that a = 12 b = 20 and c = 15.

(a) Find the value of 2a

(b) (a + b) – c

(c) $\frac{b}{4}$

27. <u>Use the venn diagram below to answer the questions.</u>

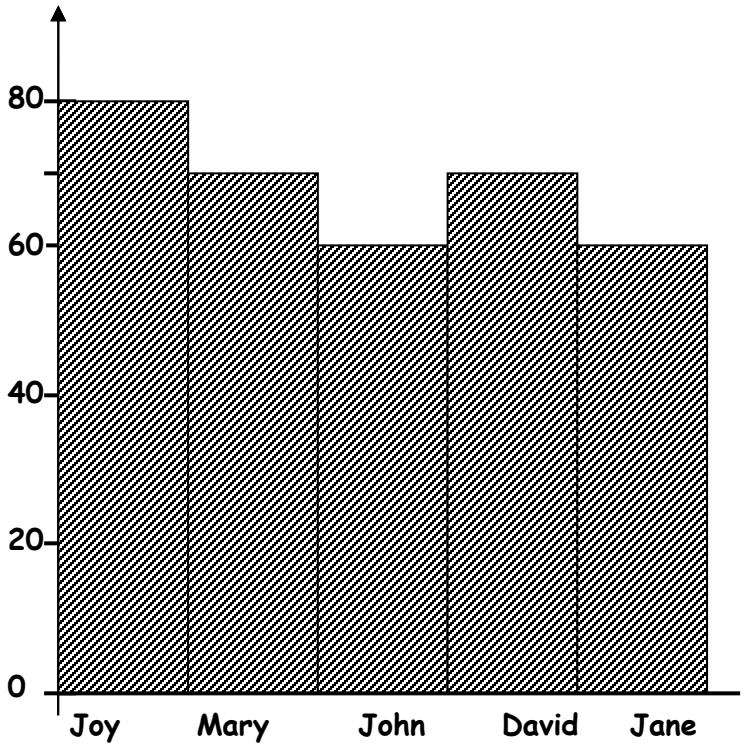


(i) Find **P** ∪ **Q**		
(ii) Write the members of set **Q**.		
(iii) Find **n(Q – P)**		

28. With the help of a sharp pencil, a ruler and a pair of compasses only. Construct an equilateral triangle MTN such that MT = TN = NM = 6cm.

(b) Find the perimeter of the triangle above.

29. **The bar graph below shows marks obtained by P.5 Green pupils. Use it to answer the questions that follow.**



(a) Who scored the highest mark?

(b) Find their modal mark.

(c) How many more marks did Mary get than Jane?

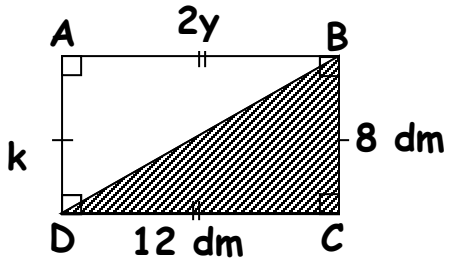
(d) Find the total marks of Mary , Joy and John.

30. (a) A motorist travelled at a speed of 70km/hr for 3 hours. What distance did he cover?

(b) Add:

	Hrs	min
	4	25
+	1	46

31. <u>The figure below is of a rectangle. Use it to answer the questions.</u>



(a) Find the value of

(i) **y** (ii) **K**

(b) Find the area of the shaded part.

32. Given the numbers on the card below.

First	Second	Third
8	12	6

(a) Find the lowest common multiple of the number on the cards.

(b) List all the factors of 12.

(c) Find the Greatest common factor of 8 and 6.

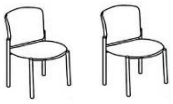
PAPER 2

SECTION A (20 QUESTIONS – 40 MARKS)

1. Add : 6 + 4	2. Write the place value of 6 in 369.
3. Find the number of subsets in set K. K = { cat, cow, rat}	4. Write XLIX in Hindu Arabic Numerals.
5. Work out; $4 \div \frac{1}{3}$	6. Given that **a** = $^{-}$**4** and **b = 6.** Find the value of **a + b**

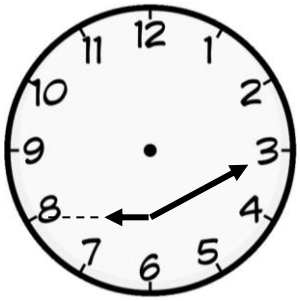
7. Given that  represents 12 trees.

   How many trees are represented by;

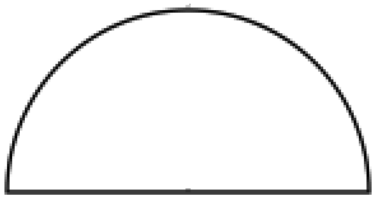
    ?

8. With the help of a sharp pencil, a ruler and a pair of compasses, construct an angle of 60^0

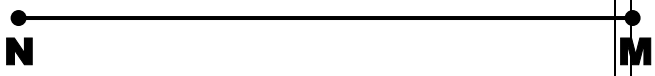
9. Tell the time shown on the clock face.



10. Show the lines of symmetry on the figure below.



11. **P** ●——————————● **Q.** The distance from P to Q is 100cm. If Angela's stride is 20cm long, how many similar strides will she make from P to Q?	12. Atim is 4 years older than Otim. If their total age is 20 years, how old is Atim?
13. Find the product of seventy two and fifteen.	14. Round off 6273 to the nearest hundreds.
15. Find the sum of the first three prime numbers.	16. Write 0.5 as a reduced proper fraction.

17. A pupil scored the following marks in weekend homework; 4, 5, 6, 4, 7 and 4. Find his average mark.	18. Measure the line segment MN. 
19. Find the number of minutes in an hour?	20. Wasswa weighs 49kgs, Masswa weighs and Kasswa weighs 72kgs. Who is the heaviest person?

SECTION B (12 QUESTIONS – 60 MARKS)

21. Given the number 4621 (a) Write the above number in words.	**(2**
(b) What is the value of 2 in the number 4621?	**(2**
(c) Expand 4621	**(2**
22. (a) Add ; 3 2 4five + 1 1 1five five	**(2r**

(b) Subtract : 4 0 4five

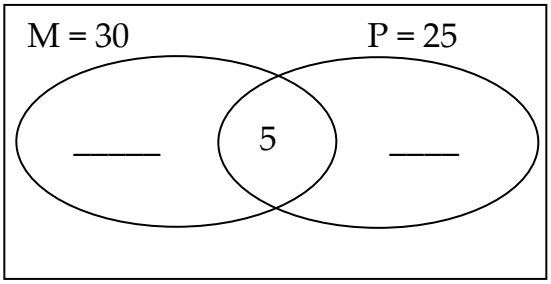
\- 1 3 1five

five

(2 marks)

(c) Convert 24_{five} to base ten. **(2 marks)**

23. In a group, there are 30 children who enjoy milk **(M),** 25 children who enjoy porridge **(P)** and 5 children enjoy both.



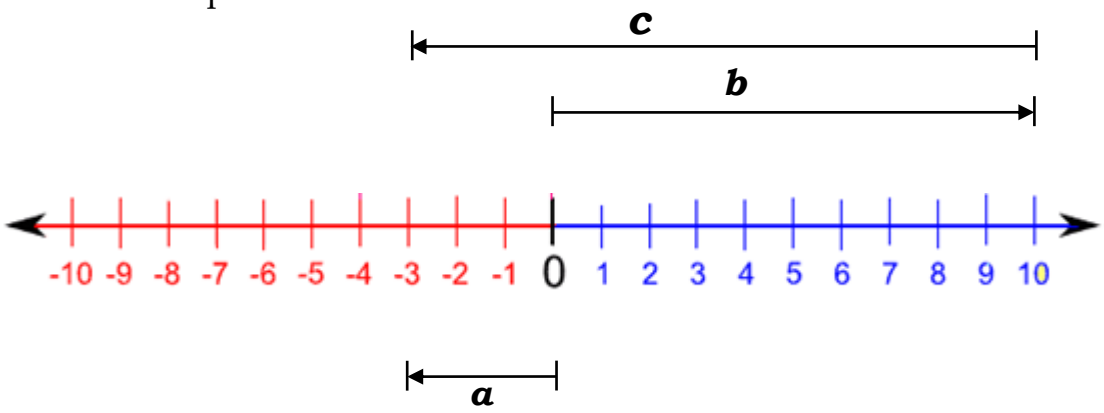
a) Fill in the missing information on the above venn diagram.		**(2 marks)**
b) How many children do not enjoy milk?		**(1 mark)**
c) If each of the children, who enjoy both drinks got shs. 1,000, how much money did they get altogether?		**(2 marks)**
24. Given that p = 10, q = 30 and r = 20, find the value of (i) p + q =		**(1 mark @)**

	(ii) q + r =		
	(iii) $\frac{q}{p}$		
	25. (a) Express $\frac{15}{2}$ as a mixed number.		**(2 marks)**
	(b) Add; $\frac{2}{3}+\frac{1}{4}=$		**(2 marks)**
	(c) Arrange $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{5}$ in ascending order.		**(2 marks)**

26. Study the table below and answer the questions that follow. **(1 mark @)**

Food	Tally	Frequency
Matooke		13
Posho	𝍸	_____
Rice	_____	10

27. Answer the questions about the drawn numberline below.

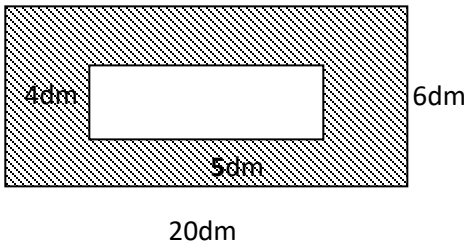


(a) Name the interger represented by arrow;

(i) ***a =*** ***(ii) b =*** ***(iii) c =***

(1 mark @)

(b) Write the addition mathematical statement shown above. **(2 marks)**

28.	(a) With the help of a sharp pencil, ruler, and a pair of compasses only, construct a square MTNO of sides 5cm each.	**(3 marks)**
	(b) Measure line MN	**(1 mark)**
29.	Study the figure below and find the area of the shaded region.  	**(6 marks)**

30. Paul went for shopping and bought the following items.

2 fountain pens at shs. 1500 each

6 books at shs. 500 each

A geometry set at shs. 2800

(a) Find his total expenditure. **(4 marks)**

(b) If he was given change of shs. 1200, how much money did he go with? **(2 marks)**

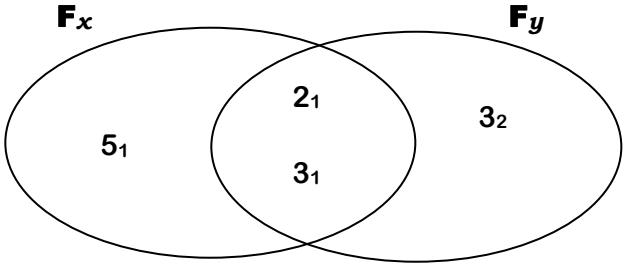
31. (a) Change 7 metres to centimtres. **(2 marks)**

(b) Work out; **(2 marks)**

	Kgs	g
	7	800
+	4	300

(c) How many half-litre bottles can be used to fill a 20-litre jerrycan? **(2 marks)**

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



(a) Find the value of;

(i) y

(ii) x

(2 marks@)

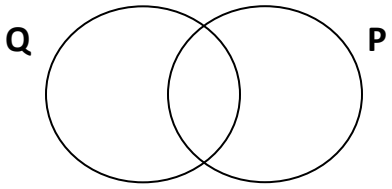
(b) Find the Greatest Common Factor (GCF) of Fx and Fy. **(2 marks)**

PAPER 3

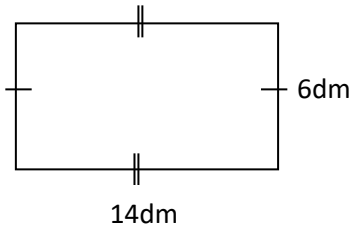
SECTION A – (40 MARKS)

33. Add: 14 + 3

34. In the venn diagram below, shade the union set



35. Double the perimeter of the shape below.



36. Find the next number in the sequence below.

20, 16, 12, 8, _____

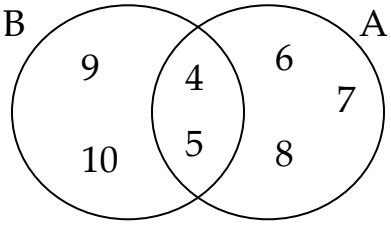
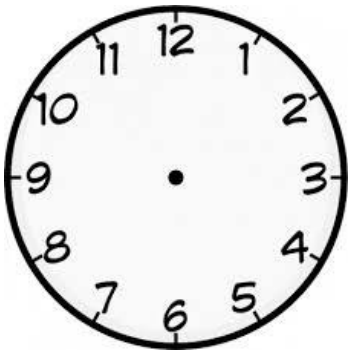
37. Bianca gave $\frac{3}{7}$ of an apple to Benita, $\frac{1}{7}$ to Mellisa and the rest to Davita. What fraction of the apple did Davita get?

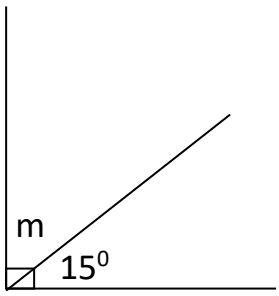
38. Solve for y;

y – 3 = 13

39. Share 903 sweets equally amongst Akrah, Joel and Olive. How many sweets did Akrah and Olive get altogether?

40. Write "six hundred twenty nine" in figures.

41. If ⊢ represents 6 chairs, draw pictures to represent 24 chairs?	42. Using a venn diagram below, find all the subsets in set Bonly. 
43. With the help of a sharp pencil, ruler, and pair of compasses, construct an angle of 90^0.	44. Show 8:00 O'clock on the clock face below. 
45. Identify the place value of 6 in the number 1620	46. Privah had a five thousand shilling note. She bought 2kgs of sugar at shs. 2400 per kg. What was her change?

47. Arrange ; -4, +4, 0, +9 in descending order.	48. An Omni bus had fifteen seats. If $\frac{3}{5}$ of the seats were occupied by passengers, how many free seats were in the bus?
49. What number has been expanded to give; 3000 + 90 + 500 + 7?	50. Simplify; 5d + 3d + d
51. Find the value of 2m from the diagram below.  	52. Work out the lowest common multiple of 8 and 6

SECTION B – (60 MARKS)

53. In a class of 70 pupils, $\frac{3}{5}$ of them are girls and the rest are boys. (2 marks)

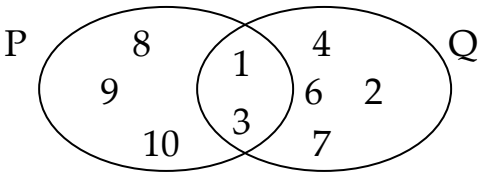
(a) Find the fractions of boys.

(b) Find the actual number of; (1 mark@)

(i) boys

(ii) girls

54. Study the venn diagram below and answer the questions that follow.



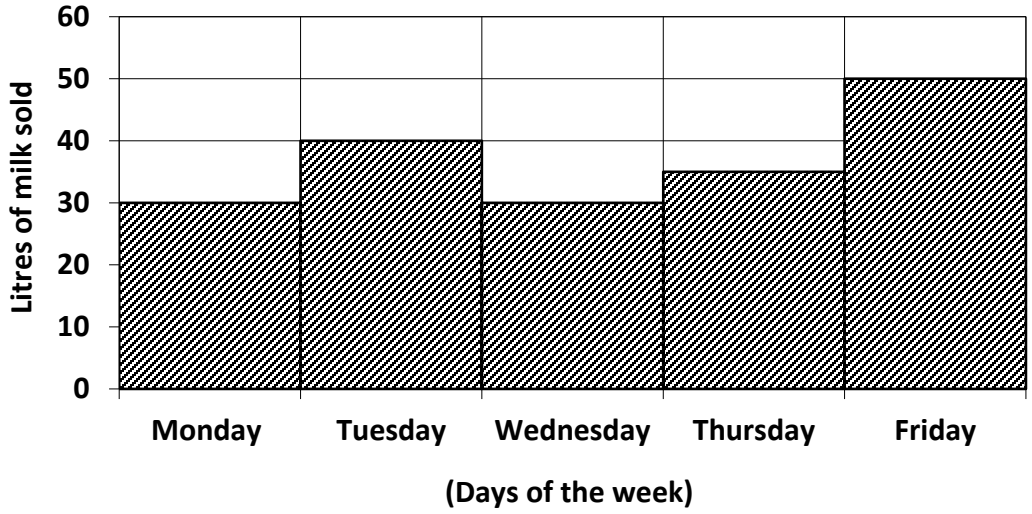
(a) List all the elements in set; (1 mark @

(i) P – Q

(P ∩ Q)

(b) Find n(P ∪ Q) (2 marks)

55. Given the graph below, use it to answer questions that follow.



(a) Which two days of the week had the same number of litres sold? (1 mark)

(b) How many litres of milk were sold on Thursday? (1 mark)

(c) How many litres of milk were sold on Tuesday and Friday? (2 marks)

56. (a) Round off 246 to the nearest tens. (1 mark)

57.(a) With the help of a sharp pencil, ruler and pair of compasses, construct an equilateral triangle ABC where $\overline{AB} = \overline{BC} = \overline{CA} = 5cm$ (4 marks)

(b) Measure angle B _____ (1 mark)

58. The table below shows the money that two girls collected on a concert day.

Denomination	**Tinah**	**Liz**
One thousand shillings	20 notes	10 notes
Five hundred shillings	10 coins	30 coins
Two hundred shillings	30 coins	15 coins

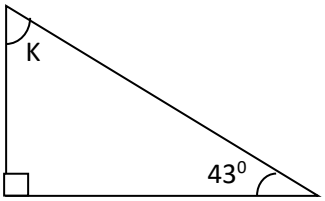
Find the total collection of each girl. (5 marks)

59. At a party organised by primary five pupils of Greenhill Academy, there were 470 adults and 520 children. (a) Find the total number of guests who attended the party?	(2 marks)	
(b) How many more children than adults attended the party?	(2 marks)	
(c) If there were enough sodas for only 900 guests, how many guests missed sodas?	(1 mark)	
60. (a) Collect like terms and simplify; 2y + p + 3y	(2 marks)	
(b) Given that e = 6, find the value of (2e) + (e x e)	(2 marks)	

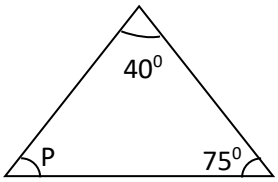
(c) Think of a number, add 4 to it, the result becomes 11. Find the number. (2 marks)

61. Study the diagrams below and find the unknown angles in degrees. (2 marks@)

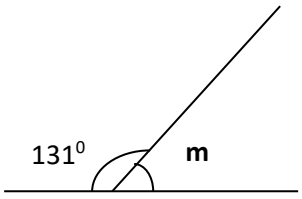
(a)



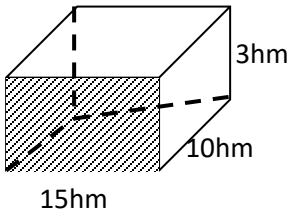
(b)



(c)



62. The prism below is a cuboid. Answer questions about it.



(a) Work out the area of the shaded portion. (2 marks)

(b) Calculate the volume of the above prism. (2 marks)

(c) How many edges does a cuboid have? (1 mark)

63. (a) Express $\frac{1}{2}$ as a decimal fraction. (1 mark)

(b) Work out: $\frac{2}{7} \times \frac{1}{4}$ (1 mark)

(c) Arrange $\frac{1}{3}$, $\frac{1}{2}$, $\frac{1}{4}$ in descending order. (3 marks)

64. The table below shows Wangwe's performance in Mid term one 2016.

Subject	Mathematics	English	Science	Social studies
Score	95	70	90	85

(a) How many subjects did Wangwe write? (1 mark)

(b) In which subjects did Wangwe score the highest and the lowest scores? (2 marks)

(c) Find the difference between the highest and the lowest scores.	(2 marks)	
(d)Find the total mark of Wangwe in all subjects.	(2 marks)	

PAPER 4

SECTION A (20 QUESTIONS – 40 MARKS)

21. Subtract;

$$\begin{array}{r} 3\ 8 \\ -\ 1\ 0 \\ \hline \end{array}$$

22. Write the place value of 6 in the number 6 7 8 2.

23. K = { a , b , c , d}
M = { a , e , i , o , u}

Write the common members of set **K** and **M**

24. Jamil fetched a jerrycan of water. He used $\frac{3}{5}$ of the water.
Write the fraction of water left in words.

25. Mike and Jose are painting a room. Jose used $\frac{2}{3}$ of a tin of paint while Mike used $\frac{1}{2}$ of another tin.
How much more paint did Jose use?

26. Mary has Shs.17,000 and James has Shs.25,000. How much money do they have altogether?

27. Complete the table below.

Metres	2	1	3	4	___
centimetres	200	100	___	400	600

28. Kato had some mangoes and his father gave him 18 more mangoes. Altogether he had 183 mangoes. How many mangoes did he have before?

29. Draw a clock face to show a quarter past 9 o'clock.

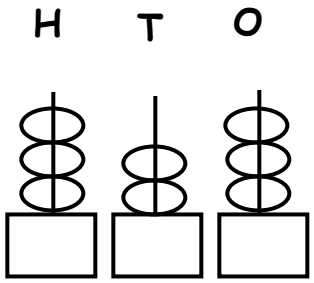
30. Add the missing numbers in the pattern.
18 , 28 , 38 , 48 , ___ , ___

31. **A stool has 3 legs.**

How many stools will you have if there are 141 legs?

32. Using a ruler, pair of compasses and a sharp pencil only, construct an angle of 60^0.

33. Round off the number shown on the abacus to the nearest hundreds.



34. Mary went to the Bank and withdrew the following notes and coins.

Notes: Shs.50,000 Shs.2000

Coins: 1000 500

How much money did she get from the bank altogether?

35. K = { bag , hen , pencil , book}
G = { hen , duck , pigeon}

Find n(K∩ G)

36. Expand; 6304

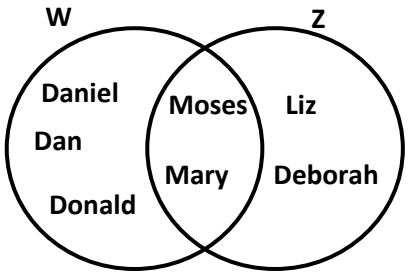
37. Baganizi bought 125 bunches of matooke. He returned eighteen bunches to the market. How many bunches did he remain with?	38. Calculate the area of a square whose perimeter is 36cm.
39. Divide: 8407 by 3.	40. Subtract; $\frac{1}{3} - \frac{1}{4}$

SECTION B (12 QUESTIONS – 60 MARKS)

33. (a) Write 8 7 0 9 in words.	(1
(b) Given digits 3 , 6 , 5 , 8. (i) Form the biggest and smallest 3 digit numbers.	(2

(ii) Find the sum of the biggest and smallest numbers formed. (2 marks)

34. Use the venn diagram to answer the questions.



List the members of

(a) W = (1 mark)

(b) Z = (1 mark)

(c) Write the members of WU Z	(2	marks)
(d) How many members are in setW?	(1	mark)
35. Tumushabe bought a bag at Shs. 65,000. He sold it at shs.72,300. Calculate his profit.	(3	marks)

(b) If he had sold it Sh.63,500, what would have been his loss? (2 marks)

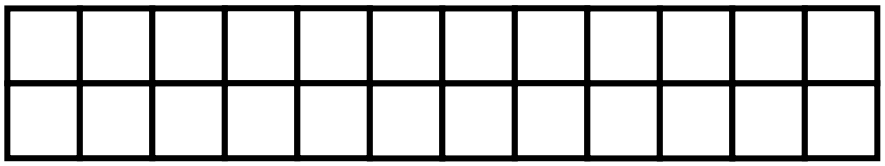
36. <u>The diagram below shows a calendar month of 2016.</u>

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

a) On which day of the week did the next month start? (1 mark)

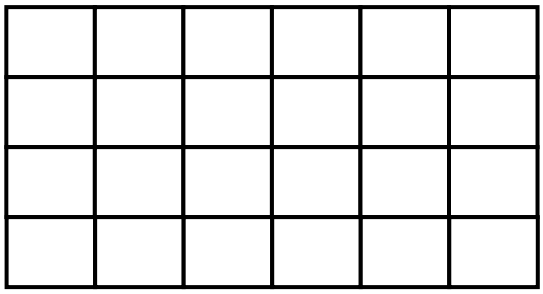
b) Which month of year is shown above?	(1	mark)
c) Which day of the week was more frequent in the month above?	(1	mark)
d) On which date did John first go to church for prayers in the above month?	(2	marks)
37. (a) Convert $\frac{19}{6}$ into a mixed number.	(2	marks)

(b) Shade $\frac{1}{3}$ of the figure below. **(2 marks)**



(c) Add the unshaded fraction in (b) above to $\frac{1}{6}$ **(2 marks)**

38. Use the shape below to answer the questions that follow.
The side of each small square is 1dm.



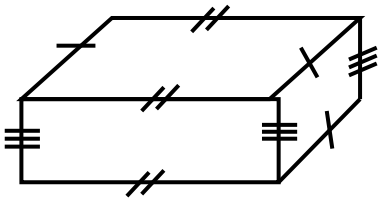
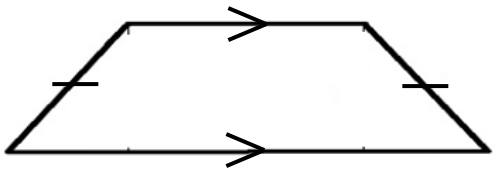
(a) Fill in;

(i) Length = _____ dm **(1 mark)**

(ii) Width = _____ dm **(1 mark)**

(b) Calculate its area.	(2 marks)	
(c) Work out its perimeter.	(2 marks)	
39. Add; k g g 100 182 + 9 329	(1 mark)	
(b) Subtract; Metres Centimetres 31 81 - 1 23	(1 mark)	
(c) Multiply; 362 litres x 2 litres	(2 marks)	

	(d) A petrol tank holds 25 litres. If the fuel seller sells 5 litres perday , how many days will he sell the litres in the tank?	(2 marks)
	40. (a) Convert $2\frac{1}{3}$ to an improper fraction.	(2 mark)
	(b) Match the following. $\frac{1}{2}$ improper fraction $\frac{8}{5}$ proper fraction $8\frac{2}{7}$	(1mark@)
	41. Babirgye had 198 cows. Last week, the outbreak of Eastcost fever killed 76 cows. How many cows did he remain with?	(2 marks)

	(b) Find the missing number. 18 - ☐ = 7	(2 marks)
	(c) If m = 6 , g = 9000. Find the sum of **g** and **m**.	(2 marks)
	42. Name the shapes below. (a)  (b) 	(1 mark) (1 mark)
	(c) How many edges has "a" above?	(2 marks)

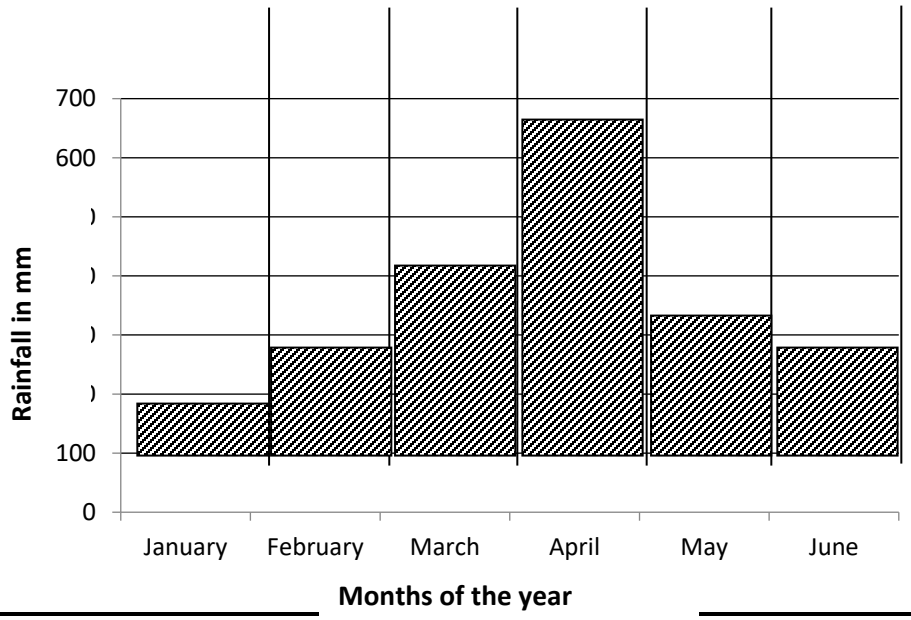
43. (a) Mulekwa went to Mombasa and spent there 1 week and 3 days. How many hours did he spend in Mombasa? **(2 marks)**

(b) Add: **(2 marks)**

Hr	min
3	40
+ 2	18

44. Study the graph and answer the questions that follow.

Rainfall received in the first months of the year were recorded at Greenhill Academy Primary School in 2016.

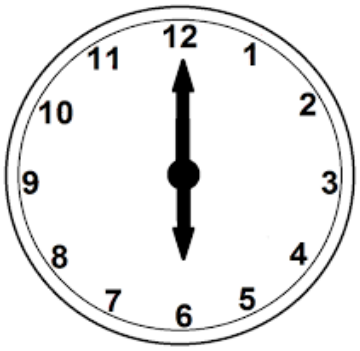


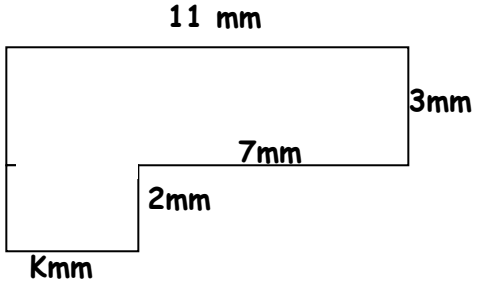
(a) How much rain was received in January?	(1	mark)
(b) Find the difference between the rain received in the months of April and February?	(1	mark)
(c) What was the average amount of rainfall received?	(2	marks)

PAPER 5

SECTION A (20 QUESTIONS – 40 MARKS)

41. Take away; 7 – 2	42. Write 448 in words.
43. If one book costs shs. 500. How many books will Kalungi buy with shs. 5,000?	44. Convert 8 metres to cm.
45. Find the least number that can be divisible by either 8 or 12 leaving no remainder.	46. Set A = {a, e, i, o, u}. How many subsets are in set A?

	47. Tell the time shown on the clock 	48. Simplify ; 3a + a – 2a
	49. Change 141_{five} to base ten.	50. Jammy scored the following marks in End of year exams. 93, 85, 90 and 80. Calculate Jammy's average score.

51. A cyclist takes 3 hours to cover a distance at a speed of 60km/hr. What distance does he cover?	52. Kanyike bought 4 cups at shs. 2,800. Find the cost of seven similar cups.
53. Study the shape below and find the value of K.  	54. How many half litre cups can be used to fill a 20 litre jerrycan?

55. Study the table below and fill in the missing information.

Weeks	1	_____	6
Days	7	21	_____

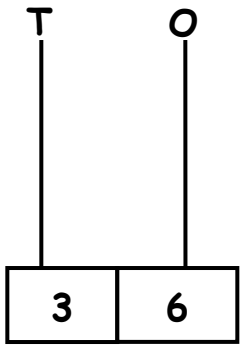
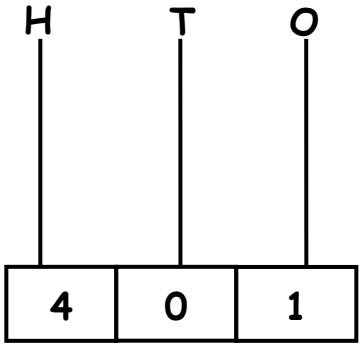
56. Write the Roman numeral for 100.

57. With the help of a sharp pencil, ruler and pair of compasses only, construct an angle of 60^0.

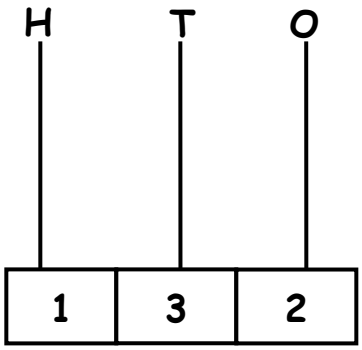
58. Sanyu bought a bag at shs. 25,000. She later sold it at shs. 28,000. Find her profit.

59. Apply BODMAS correctly; 9 x 4 + 2	60. Write the additive inverse of -12.

SECTION B (12 QUESTIONS – 60 MARKS)

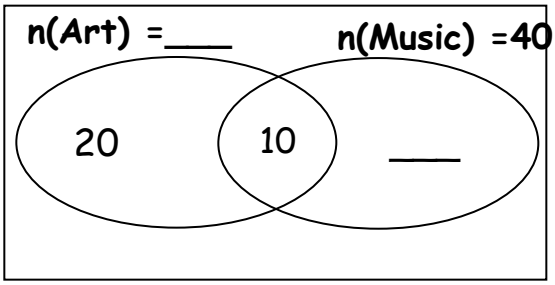
45. Show these numbers on the abacus. (a) 36  	(2
(b) 401  	(2

(c) 132



(2 marks)

46. Answer questions about the venn diagram below.



(a) Complete the above venn diagram.

(2 marks)

(b) How many people enjoy both subjects? **(2 marks)**

47. Complete the table below correctly. **(6 marks)**

Mark	**Frequency**	**Tally**
70	6	𝍸/
80	_____	𝍸 𝍸
55	2	_____
90	5 _____	𝍸

48. Use the magic square below to answer the questions that follow.

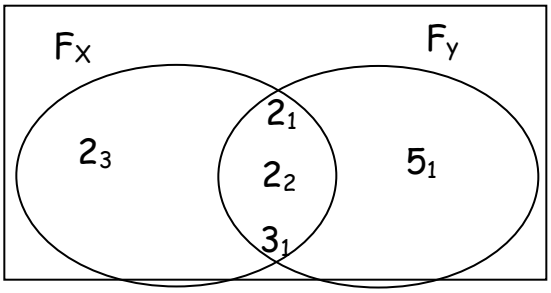
8	**a**	6
b	5	**a**
4	**d**	**e**

Find the unknown values. **5 marks)**

49. In a village of 450 people, $\frac{4}{5}$ are males and the rest are females. (a) Find the fraction of females.		**(2**	**marks)**
(b) Find the actual number of ; (i) males (ii) females		**(4**	**marks)**

	50. (a) With the help of a sharp pencil, ruler and pair of compasses Construct a triangle ABC where line AB = 7cm, angle BAC = 90^0 and line AC = 5cm .	**(4**	**marks)**
	(b) Measure line BC _____	**(1**	**mark)**

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



(a) Find the value of;

(i) x

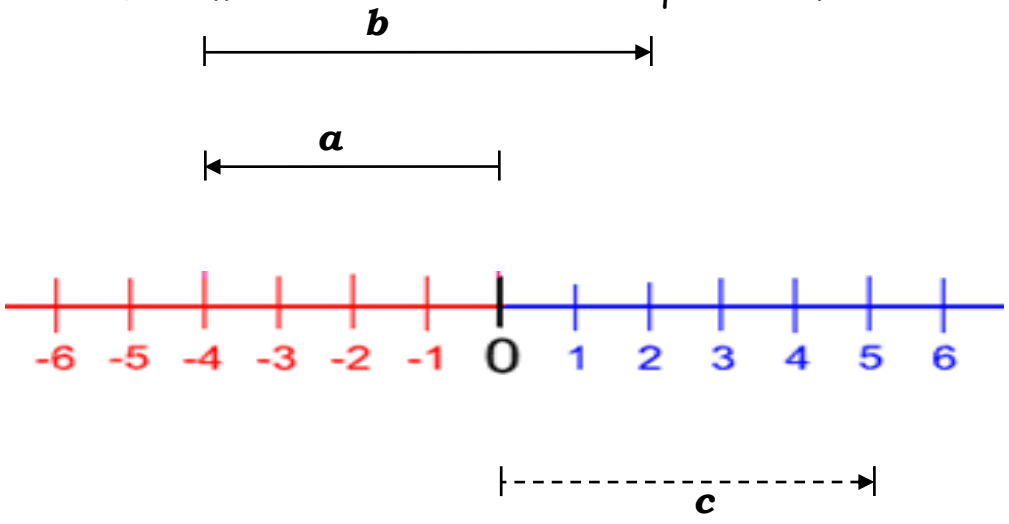
(ii) y

(4 marks)

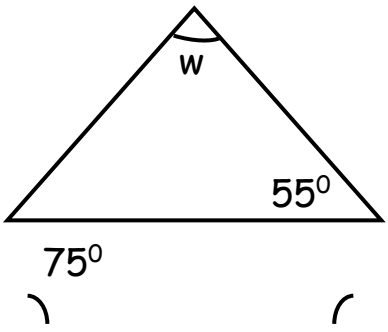
(b) Find the G.C.F of F_x and F_y

(1 mark)

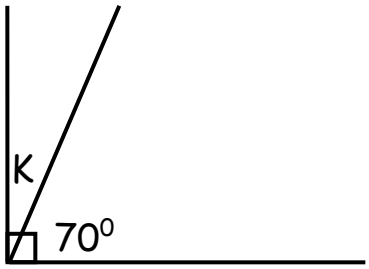
52. Use the numberline below to answer questions.



	(c)Identify the integer represented by arrow; ***(ii) a = _____ (ii) b = _____ (iii) c = _____***	**(6**	**marks)**
	53. Ivan went to the market and bought the following items. $\frac{1}{2}$ kg of sugar at shs. 3,800 a kg. 3 bars of soap at shs. 2500 each 4 tomatoes at shs. 2,000. (a) Find his total expenditure.	**(4**	**marks)**
	(b) If he received a change of shs. 8,600, how much money did he give the attendant?	**(1**	**mark)**

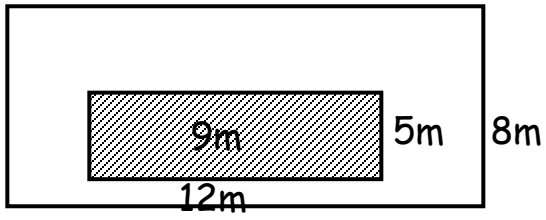
54. (a) Kengo had some books and was given 7 more books. If he has 13 books now, how many books did he have at first?	**(2 marks)**	
(b) Given that p = 3, q = 9 and r = 2, find the value of; (iv) pqr =	**(1 mark)**	
(v) $\frac{qr}{2p}$	**(1 mark)**	
55. Find the unknown values in degrees. (a)  	**(2 marks)**	

(b)



(2 marks)

56. Kengo covered the floor using a carpet measuring 9m by 5m.



Work out the area of the;

a) carpet

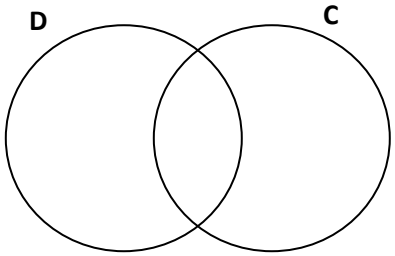
(1 mark)

b) floor **(1 mark)**

c) uncovered part **(2 marks)**

PAPER 6

SECTION A (20 QUESTIONS – 40 MARKS)

61. Subtract : 40 – 8	62. Write XLIX in Hindu Arabic numerals.
63. Shade the union set on the venn diagram.  	64. Find the LCM of 6 and 8
65. Work out; $\frac{2}{3}+\frac{1}{6}$	66. Solve: x + 8 = 29

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67. With the help of a sharp pencil, a ruler and a pair of compasses, construct an angle of 90^0

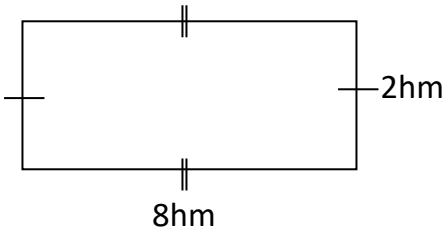
68. If  represents 12 trees.

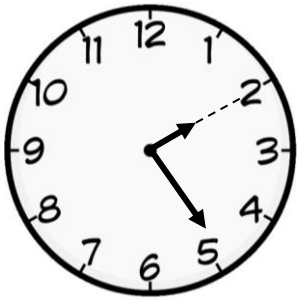

ed by;

?

69. Kyanda bought a shirt at shs. 20,000 and sold it at shs. 24, 000. What profit did he make?

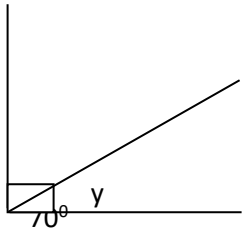
70. Find the perimeter of the rectangle below.



71. I think of a number, add 4 to it, I get 12 as my result. What is the number?	72. Round off 426 to the nearest tens.
73. A tray of eggs holds thirty eggs. How many eggs are on three full trays?	74. Tell the time shown on the clock face. 
75. Change 700cm to metres.	76. The marks below were scored by Jude in five tests 2, 3, 2, 6, 10 Find his range of marks.

77. Moses ate $\frac{1}{5}$ of a sugar cane in the morning, $\frac{2}{5}$ in the afternoon and the remaining part in the evening. What fraction did he eat in the evening?

78. Find the value of 2y in;

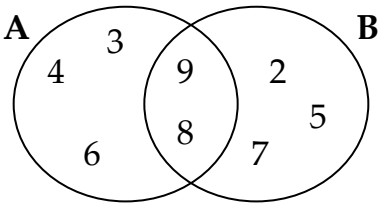


79. Multiply : 2 x 3 using a number line

80. Joanita bought two pens at shs. 500 each and three books at shs. 3,900. How much change did she get if she had a five thousand shilling note?

SECTION B (12 QUESTIONS – 60 MARKS)

57. Use the venn diagram below and answer the questions that follow;



d) Find B – A **(1**

e) List all the members that are not in set B. **(1**

f) Find n(A U B) **(2**

58.	Given the number 9836 (a) Represent the number on the abacus.	**(2 marks)**
	(b) Write the above number in words.	**(2 marks)**
	(c) Expand the above number using place values.	**(2 marks)**
59.	Use **>, or < or =** to complete the statements below. (a) 14 x 5 _____ 4 + 51 (b) 86 – 6 _____ 26 x 4	**(2marks@)**

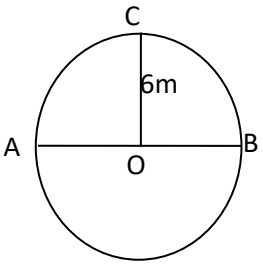
	(c) 18 ÷ 3 _____ 15 x 2		
	60. (a) List the first four composite numbers.		**(1 mark)**
	(b) Find the next number in the sequence. 1, 3, 6, 10, 15, _____		**(2 marks)**
	(c) Find the Greatest Common factor of 6 and 8.		**(2 marks)**
	61. In a class of 63 pupils, $\frac{2}{7}$ of them are dancers and the rest are singers. (a) Find the fraction of singers.		**(2 marks)**

(b) How many more singers than dancers are in the class? **(3 marks)**

62. If p = 4, b = 5 and c = 7, find the value of **(2 marks)**

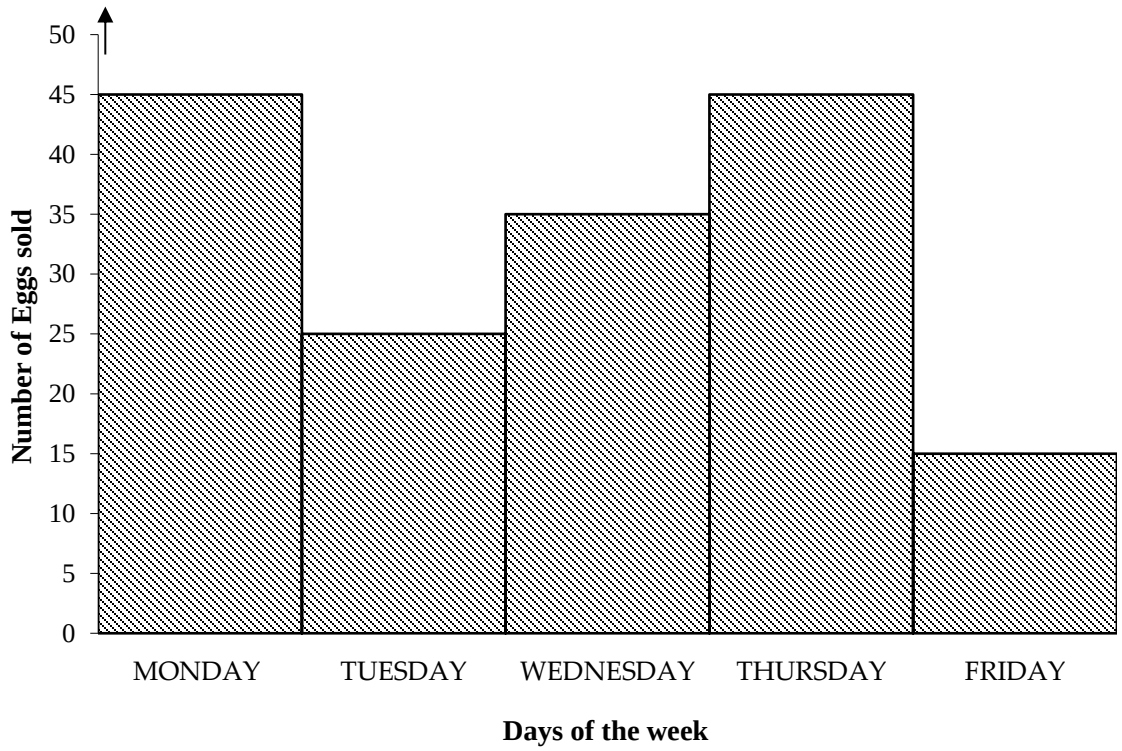
a) p + c + b | b) (b x b) – p | c) pbc

63. Use the circle below to answer the questions that follow.



(d) Name line OC _____ **(1 mark)**

(e) Find the measurement of line AB. **(2 marks)**

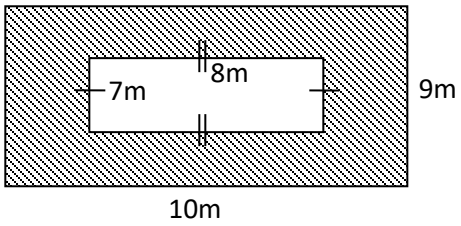
	(f) Name point marked O.	**(1 mark)**
	64. (a) Work out; Weeks Days 2 3 + 3 6 _____ _____	**(2 marks)**
	(b) A swimming competition took 240 minutes. How long was the competition in hours?	**(2 mark)**
	65. Mr. Musoke's hens lay 50 eggs a day. **The graph below shows the number of eggs sold from Mr. Musoke's poultry farm.**  	
	(a) Which day of the week did he have the highest number of eggs sold?	**(1 mark)**

	(b) How many eggs were sold on Tuesday?	**(2 marks)**
	(c) How many eggs were sold in the five days?	**(3 marks)**
	66. Danze went to a supermarket and bought the following items. 1kg of sugar at shs. 3200. 1 packet of Omo at shs. 1500. 1 kg of salt at shs. 550 A bar of soap at shs. 3500 (c) How much was the most expensive item?	**(1 mark)**

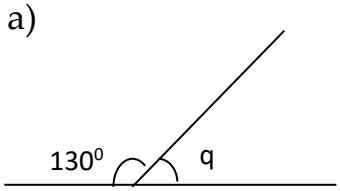
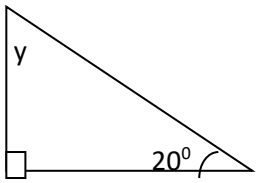
(d) Find the cost of 2kg of sugar and a bar of soap. **(2 marks)**

(e) If Danze went with a ten thousand shilling note and bought all the items, how much was his change? **(2 marks)**

67. Study the figure below and answer the questions that follow.

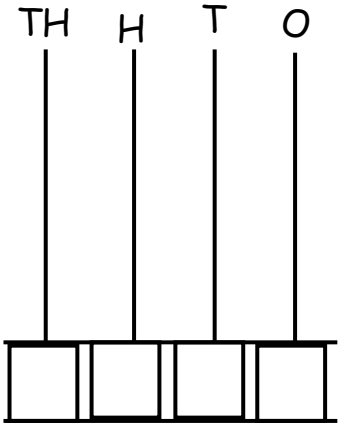


(a) Find the area of the outer rectangle. **(1 mark)**

	(b) Find the area of the inner rectangle.	**(1 mark)**
	(c) Calculate the area of the shaded part.	**(2 marks)**
	68. Find the missing angles. a)  b)  	**(2 marks@)**
	b) Using a ruler, a pencil and a pair of compasses only, construct a square of side 4cm.	**(2 marks)**

PAPER 7

SECTION A (20 QUESTIONS – 40 MARKS)

81. Add: 482 + 34	82. List the subsets of Set G if G = { m , t , n}.
83. Show 3 0 5 2 on the abacus be  	84. Ssali had 128 apples. He ate $\frac{3}{8}$ of them. How many apples did Ssali eat?
85. Find the missing number in the sequence. 1 , 4 , 7 , 10 , 13 , 16 , 19 , ____	86. Arrange $^{-}3$, $^{-}4$, 0 , $^{+}1$, $^{+}2$ from the biggest to the smallest.

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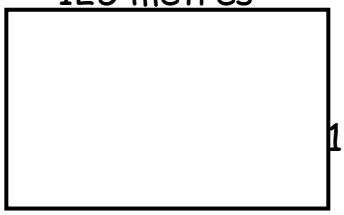
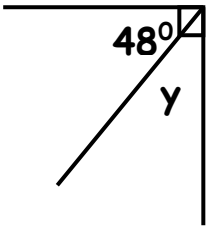
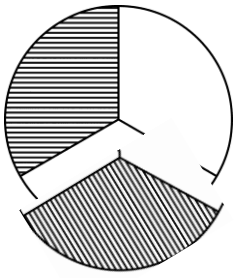
87. Kennedy scored the following marks in end of term one exam. Calculate his average mark. 96 , 94 , 93 , 97 , 90	88. Baate walked around the rectangular garden shown bel 125 metres  137 metres Find the distance that he covered in metres.
89. In a P.5 class, there are 38 boys and 58 girls. Write the total number of pupils in Roman Numerals.	90. Maria went to the supermarket and bought 4 dresses at shs.15000 each. How much money did she pay for the dresses?

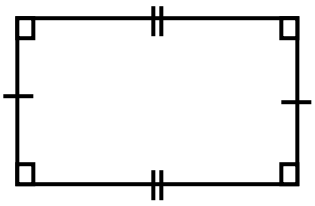
91. Find the value of y in degrees.  	92. Solve for y; 2y = 308
93. Round off 4527 to the nearest hundreds.	94. Add: $\frac{3}{7} + \frac{2}{7} + \frac{1}{7} =$

95. Find the lowest common multiple of 6 and 8.

96. Write the shaded fraction in words.



97. How many lines of symmetry does the figure below have?



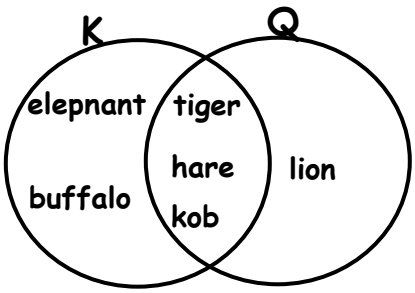
98. If  represents 12 balls ,

draw pictures to represent 36 balls.

99. Mukose bought a shirt at shs.25000. he later sold it at shs.22300. Find his loss.	100. Work out: $\frac{1}{5} \div \frac{3}{5}$

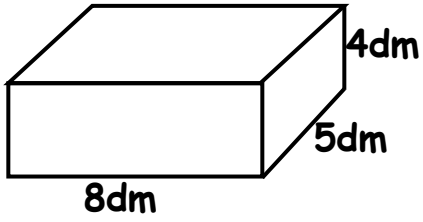
SECTION B (12 QUESTIONS – 60 MARKS)

69. (a) Add: 2 3 4 6 3 2 + 1 4 3 3 9	**(2**
(b) Subtract: 8 8 9 3 4 2 - 4 0 3 1 2 7	**(2**

	(c) Work out: 34 x 18	**(1**	**mark)**
	70. The venn diagram below shows the animals the tourists who visited Queeen Elizabeth National Park (Q) and Kidepo National Park (K) saw.  (a) List the animals that were seen in both national parks.	**(2**	**marks)**
	(b) List the animals that are in Kidepo National Park (K).	**(2**	**marks)**

(c) Find $n(K \cup Q)$ **(1 mark)**

71. The figure below shows a cuboid.



(a) Calculate its volume. **(2 marks)**

(b) Determine the number of;

(i) edges **(1 mark)**

(ii) vertices **(2 marks)**

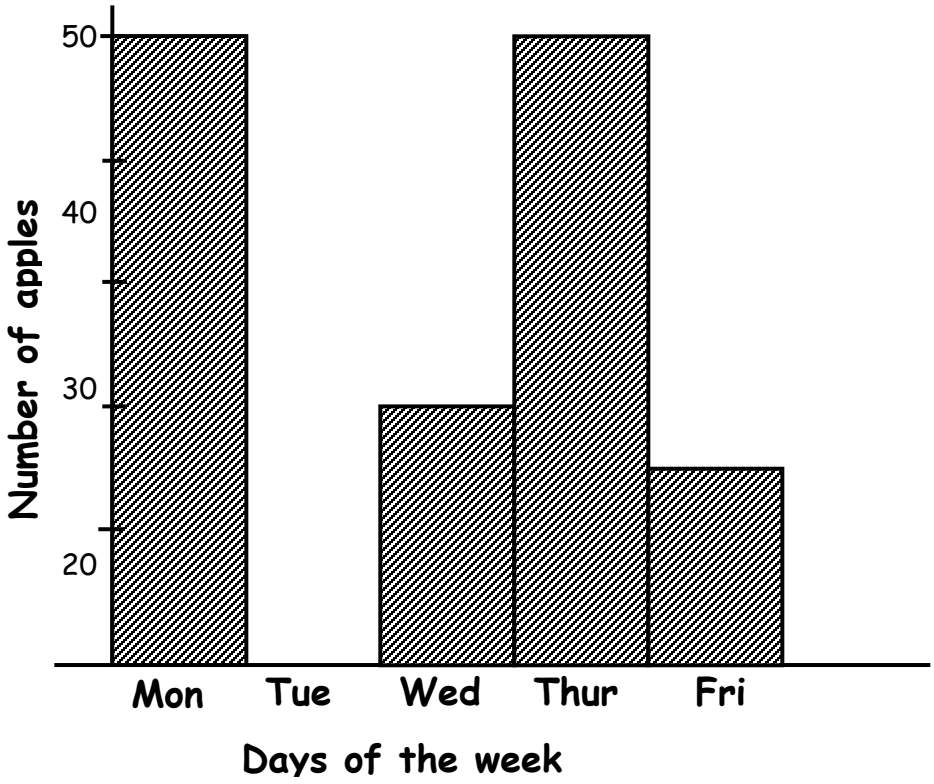
	72. On a farm of 2400 animals, $\frac{7}{12}$ of them are cows and the rest are other types of animals. e) Find the fraction of other types of animals.	**(3**	**marks)**
	f) If 600 of the other types of animals are goats, find the number of animals that are not goats.	**(2**	**marks)**
	73. If a = 4 b = 17 and c = 18. Find the value of; (a) a + b + c	**(2**	**marks)**
	(b) 2a + c	**(2**	**marks)**

(c) $\frac{a \times c}{8}$		**(1 mark)**
74. Using a pair of compasses , ruler and sharp pencil only , construct triangle M O A such that $\overline{MO} = \overline{OA} = \overline{AM} = 6.5$cm.		**(4 marks)**
(b) Measure angle MOA.		**(1 mark)**

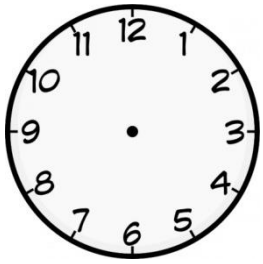
	75. An examination started at 9:00a.m and took 2hrs 30mins. At what time did it end?	**(3**	**marks)**
	(b) Add: Weeks Days 9 6 + 4 5 _____	**(2**	**marks)**
	76. Kisakye went to the super market and bought the following items. 3 kgs of rice at shs.3,000 per kg. 2 bars of soap at shs.6,000. 4 loaves of bread at shs.18,000. (a) How much did she pay for all the items?	**(2**	**marks)**

(b) If she went with a fifty thousand shilling note, how much change did she get? **(3 marks)**

77. Use the bar graph below and answer the questions that follow. The graph is about the number of apples sold in a week.



	(a) How many apples were sold on Wednesday?	(1	mark)
	(b) How many more apples were sold on Friday than Tuesday?	(2	marks)
	(c) Find the total number of apples sold during the week.	(2	marks)
	78. (a) Write the morning time shown on the watch below in words. 	(2	marks)

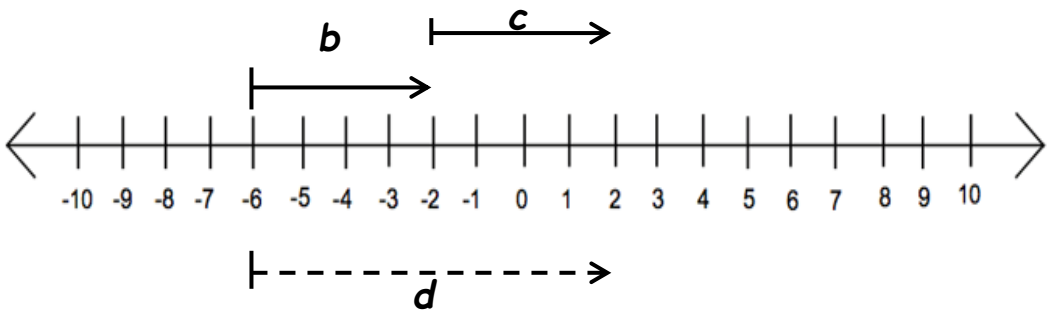
	(b) Show a half past ten O'clock on a clock face below. 	**(2**	**marks)**
	(c) Convert 240 minutes to hours.	**(1**	**mark)**
	79. (a) Write 30102 in words.	**(2**	**marks)**
	(c) Expand 12483 using values.	**(2**	**marks)**

(c) Subtract: $1\ 2\ 3_{five}$

$-\ 1\ 4_{five}$

_____ **(1 mark)**

80. <u>Use the number line below and answer the questions that follow.</u>



(a) Name the integers marked;

(i) b _____

(ii) c _____ **(1 mark)**

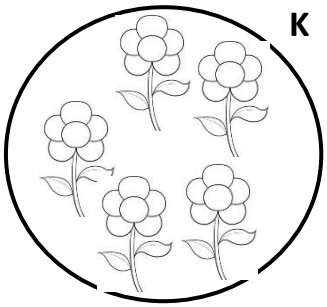
(iii) d _____ **(1 mark)**

(1 mark)

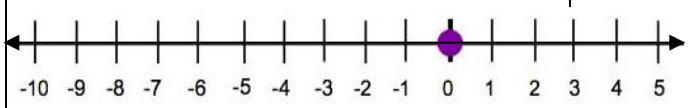
(b) Write the mathematical statements on the number line above. **(2 marks)**

PAPER 8

SECTION A (20 QUESTIONS – 40 MARKS)

101. Subtract; 3 – 2	102. How many members are in set K?  _____
103. Given the number 5783. Find the sum of the value of 5 and the value of 8.	104. Mummy bought 2 kilograms of sugar on Monday. How many grams did she buy?

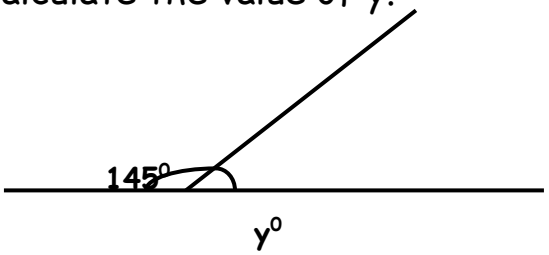
105. With the help of a pencil, ruler and pair of compasses, construct an angle of 45^0	106. How many half litre containers of water can be used to fill a 10 litre jerrycan?
107. A mathematics exam began at 8:00am and ended at 10:30am . How long did it last?	108. Zungululu bought a goat at shs. 67,000. At what price must he sell it to get a profit of shs. 25,000?

109. Use the numberline below to work out; 2 + ⁻ 4 = _____  	110. What distance does a cyclist cover at a speed of 60km/hr for 3 hours?
111. Write 116 in Roman numerals.	112. Work out; 98 + 12 x 3
113. Find the least number of bags that can be given to either 8 boys or 9 boys leaving no remainder.	114. Apply Bodmas to work out. $\frac{1}{2} - \frac{1}{4} + \frac{1}{3}$

115. If  represents 10 balls, draw

pictures to represent 50 balls.

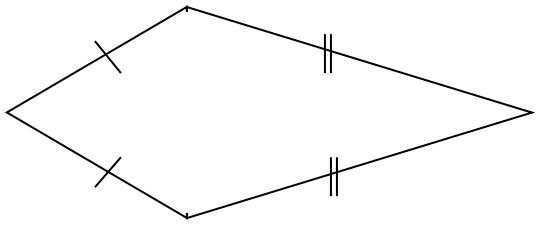
116. Calculate the value of y.



117. Arrange $\frac{2}{3}$, $\frac{1}{4}$, and $\frac{1}{2}$, starting with the biggest.

118. Work out;

Hrs	Mins
3	40
+ 2	30

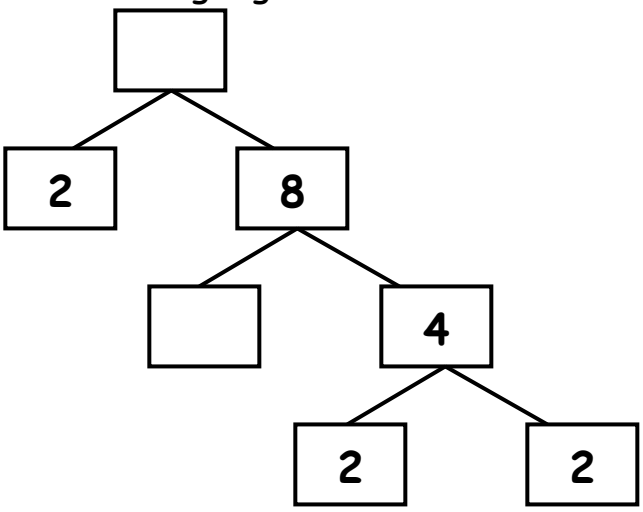
119. Convert 101_{five} to base ten.	120. Indicate the lines of folding symmetry on the shape below. 

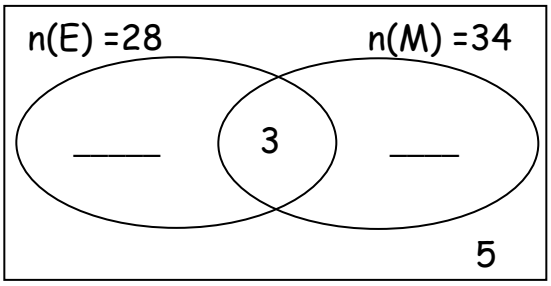
SECTION B (12 QUESTIONS – 60 MARKS)

81. (a) Write 295 in words.	**(2**
(b) Expand 525 using; (i) values	**(2**
(ii) powers of 10	**(2**

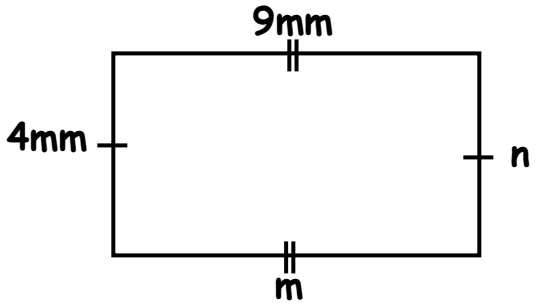
	82. (a) Find the product of 234 and 25.	**(2**	**marks)**
	(b) Use long division to divide 187 by 11	**(2**	**marks)**
	83. In a group of 450 people, $\frac{3}{5}$ are males and the rest are females. (c) Find the fraction of females	**(2**	**marks)**

	(d) How many females are in the group?	(3	marks)
	84. Given that m = 5, y = 4 and k = 2, find the value of; (vi) myk =	(2	marks)
	(vii) 6y+m =	(2	marks)
	(viii) $\frac{7y}{k}$	(2	marks)

85.	(a) Fill in the missing figures. 	(2	marks)
	(b) Find the LCM of 12 and 16	(1	mark)
	(c) Add: $\frac{3}{6}+\frac{1}{12}=$	(1	mark)

	86. In a class, 28 pupils like English (E), 34 pupils like Maths (M), 3 pupils like both and 5 pupils do not like any of the two subjects. (a) Complete the venn diagram below.  	**(2**	**marks)**
	(d) How many pupils like only one subject?	**(1**	**mark)**
	(e) How many pupils do not like English?	**(1**	**mark)**

87. Given the shape below, use it to answer the questions that follow.



(a) Find the value of ;

(i) n

(ii) m

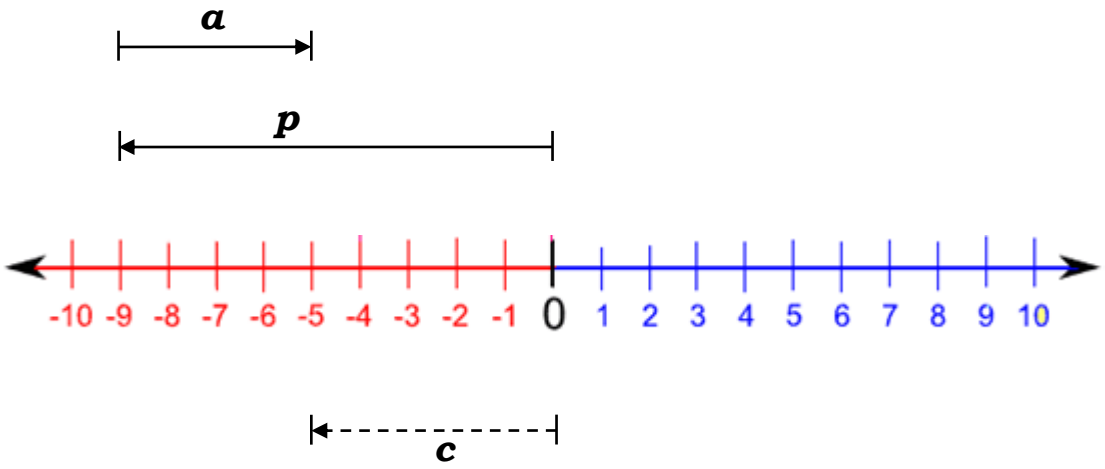
(2 marks)

(b) Name the shape **(1 mark)**

(c) Find the area of the shape. **(2 marks)**

88.	Tabitha went to the market and bought the following items. 2 packets of spaghetti at shs. 3000 each. 2kgs of sugar at shs. 3200 each. 4 shopping bags at shs. 700 per bag. 3 rulers at shs. 1500 (a) How much was her total expenditure?	**(4 marks)**
	(b) If she went with a twenty thousand shilling note and bought all the items, what was her change?	**(2 marks)**

89. Use the numberline below to answer questions.



(g)Find the value of;

(iii) ***c*** = _____ ***(ii)*** ***p*** = _____ ***(iii)*** ***a*** = _____

(3 marks)

(h) State the mathematical statement for the above numberline. **(2 marks)**

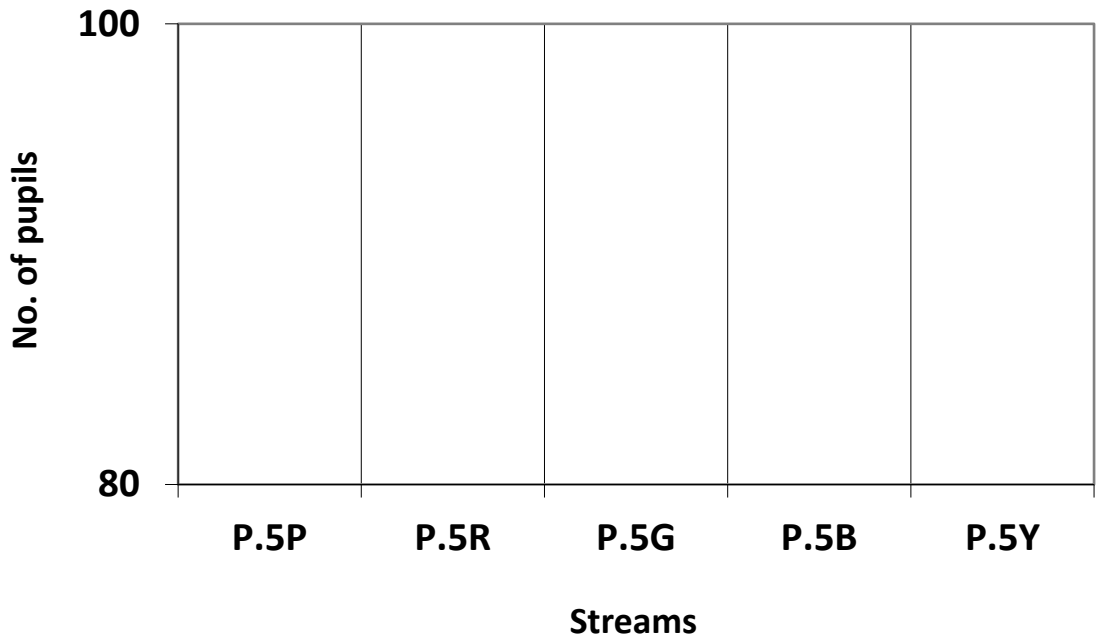
90. (a) What morning time is shown on the clock face? **(2 marks)**

	(b) Change 6 hours into minutes.	**(2**	**marks)**
91.	(a) Construct a triangle XYZ where XY = 7cm, angle ZXY = 60^0 and XZ = 5cm.	**(4**	**marks)**
	(c)Measure line YZ	**(1**	**mark)**

92. The table below shows the number of wrappers distributed to the 5 streams of primary five. **(5 marks)**

Stream	P.5P	P.5R	P.5G	P.5B	P.5Y
No. of pupils	70	90	50	70	40

(f) Represent the above information on a bar graph below.



(b) If the wrappers were to be distributed equally to all the above streams, how many wrappers would each stream get? **(1 mark)**

PAPER 9

SECTION A – (40 MARKS)

65. Work out: 2 4
x 2
_____

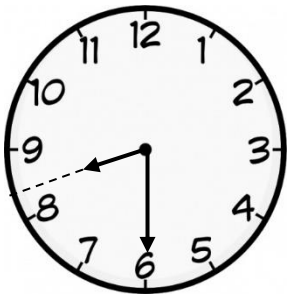
66. Set A = { a, b , c , d}
B = { a , e , I , o , u} . Find A∪B.

67. What is the value of 7 in 9752?

68. Find the product of the next two numbers in the sequence.
60, 50, 40, 30, ____ , ___

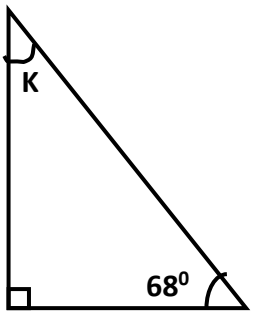
69. Jonathan had sh. 20,000 and used $\frac{2}{5}$ of it for buying cakes. How much money did he remain with?

70. Tell the morning time shown on the clock face below.



71. Mr. Kagoro bought a radio at shs.50,000 and sold it at shs.56,000. Calculate his profit.

72. Draw a line segment AB = 6cm.

73. Express 141_{five} in base ten.	74. Work out: 6.2 + 3.4 – 4.7
75. Kamya borrowed 39 books from the library. Write the number of books he borrowed in Roman Numerals.	76. Given that P = 4 and Q = 7. Find the value of $\frac{PQ}{2}$
77. Change 3 metres to centimeters.	78. Calculate the size of angle **K**. 
79. Multiply: 3 6 x 1 2 _____	80. Jackson covered a certain Journey at a speed of 60km/hr for 4 hours. Find the distance he covered.

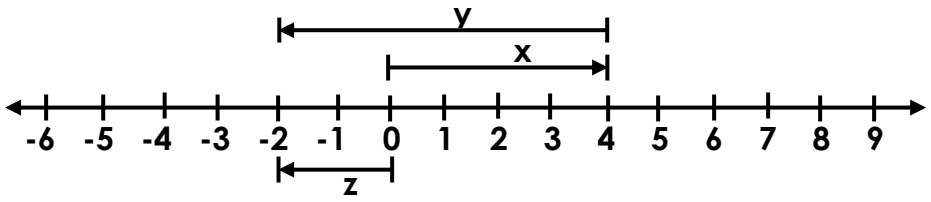
81. Find the number which was prime factorized to get, 2 x 2 x 3 x 3.	82. What integer is three steps to the left of +3?
83. Subtract: $\frac{2}{3}$ from $\frac{3}{4}$	84. Find the range; 6 , 7 , 5 , 9 , 1 and 0.

SECTION B – (60 MARKS)

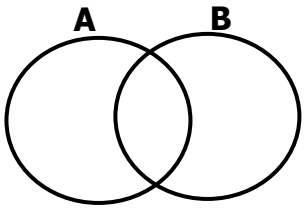
85. The table below shows the daily attendance of 60 pupils of a P.5 class in a certain school. (1 mark @)

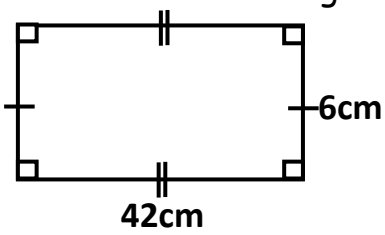
(c) Complete the table correctly.

Day	M	T	W	T	F
Present	48	___	50	___	42
Absent	___	00	___	14	18

(d) Work out the average attendance for the whole week.	(2 marks)
86. Fill in the missing number. $\square \div 6 = 7$	(2 marks)
(b) Find the value of h. $2h + 7 = 13$	(2 marks)
(e) Simplify: $3m + 4h + 2m + h$	(1 mark)
87. Study the numberline below and answer questions that follow.  (d) What integers are represented by ; (i) Y = _____	(1 mark @)

(ii) X = _____ (iii) Z = _____		
(e) Write the addition mathematical sentence of the above number line.	(1 mark)	
88. Magala went to the shop and bought the following items. 2kg of sugar at shs. 4500 per kg. 1 kg of salt at shs.1200. 3 books at shs.2000 each book. 1 pen at shs. 1000. (a) Find his total expenditure.	(4 marks)	
(b) If he was given change of Shs.2800, how much money did he give to the shopkeeper?	(2 marks)	
89. (a) Find the sum of 5 4 7 8 9 4 and 2 6 2 1 0 3.	(2 marks)	

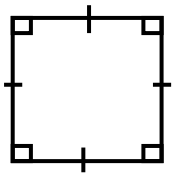
(b) Work out: $\sqrt[3]{480}$	(2 marks)
90. Given that A = { 1 , 3 , 5 , 7 , 9} B = { 1 , 2 , 4 , 6 , 8} (a) Represent the above informaton on the venn diagram below.  	(3 marks)
(b) Find (i) $A \cap B$ (ii) $\cap (A \cup B)$	(1 mark) (1 mark)
91. Work out: (a) Years months 5 3 + 2 9 _____ _____	(2 marks)

(b) Hours minutes 4 25 + 6 15	(1 mark)	
(c) Change 24 days to weeks.	(2 marks)	
92. The figure below is a rectangle.  (a) Calculate the area of the figure.	(2 marks)	
(b) Find the perimeter of the figure.	(2 marks)	

93. In a group of 48 people, $\frac{2}{3}$ of them eat rice and the rest eat matooke? (a) Find the fraction of the people who eat Matooke.	(2 marks)	
(b) How many people eat rice?	(2 marks)	
(c) How many more people eat rice than Matooke?	(2 marks)	
94. Given the number 30127. (d) (i) Find the value of the digit in the Hundreds.	(2 marks)	
(ii) Expand the above number using place values.	(2 marks)	

(e) Write XLIX in Hindu Arabic numerals. (2 marks)

95. (a) Name the following shapes. (1 mark @)

(i) 

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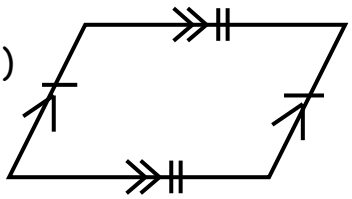
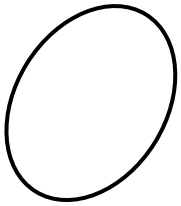
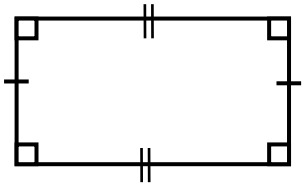
(ii) 

_____

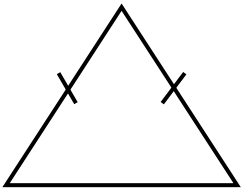
(iii) 

_____

(b) Show and write the lines of symmetry of the following shapes.

(i) 

_____

(ii) 

_____

96. With the help of a pair of compasses , a ruler and a sharp pencil only, construct a square JKLM whose side measure 5cm.

PAPER 10

SECTION A – (40 MARKS)

97. Multiply; 3 x 4

98. Find n(A) if set A = { 2, 4, 6, 8}

99. Draw a parallelogram in the space below.

100. Add; $4\ 4\ 4_{five}$

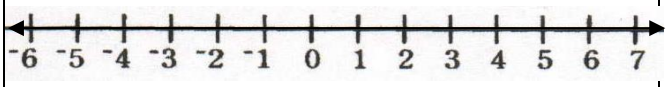
$+\ 1_{five}$

$\_\_\_\__{five}$

101. Multiply the missing number in the sequence by 2.

2, 3, 5, 7, _____

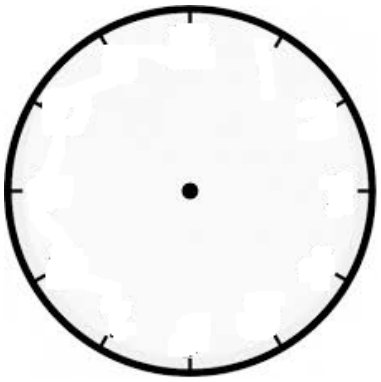
102. Show $^{-}3 + 7 =$ _____ on the numberline below.



103. Find the area of a rectangular garden measuring 7m in length and 6m in width.

104. In the number 275, subtract the place value of 7 from the value of 2.

105. Reduce $\frac{36}{72}$ to its simplest form.	106. Convert 3 minutes into seconds.
107. Moses had some cakes, he gave 8 of them to Wasswa and remained with 12 cakes. How many cakes did he have at first?	108. Round off 98.46 to the nearest tenths.
109. With the help of a ruler and a sharp pencil, draw line MN = 6.5cm.	110. Given th  stands for 5 trees. Draw pictures to represent five trees.

111. A pupil bought a dozen of books at shs. 12,000. How much money can he pay for only 3 similar books?	112. If x = -4 and y =- 3, evaluate ; xy
113. Brenda had 200 apples and gave $\frac{1}{4}$ of them to her friend. How many apples did she remain with?	114. It is a quarter to midday. Show the time on a well labelled clock face. 
115. Set K has all the vowel letters in the word "women". List all the subsets in set K.	116. Divide ; $25\overline{)5050}$

SECTION B – (60 MARKS)

117. Study the table below and answer the questions that follow.

Club	Tally	Frequency
Mathematics	𝍸 𝍸 𝍸	_ _ _ _ _ _
Science		15
English	𝍸 𝍸 𝍸	11
Music		20
Rotary	_ _ _ _ _ _	10

(f) Complete the above table (3 marks)

(g) How many children are in all the clubs altogether? (2 marks)

118. Dragon went to Capital shoppers and bought the following items;
2 boxes of water at shs. 12,000@
3 bars of soap at shs. 3,000 each
A school bag at shs. 50,000

(a) Find her total expenditure. (3 marks)

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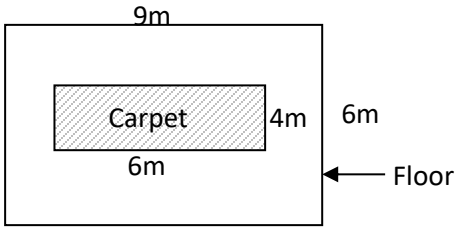
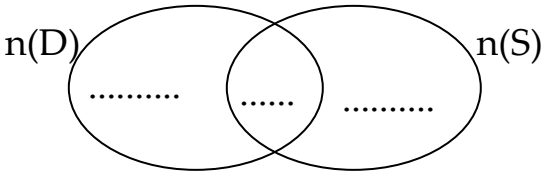
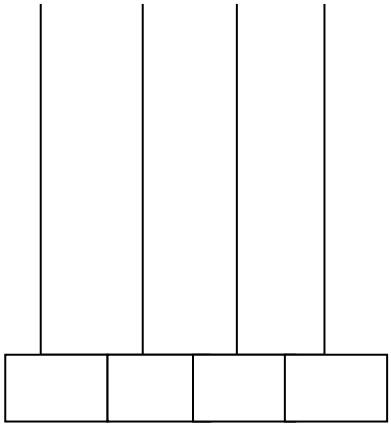
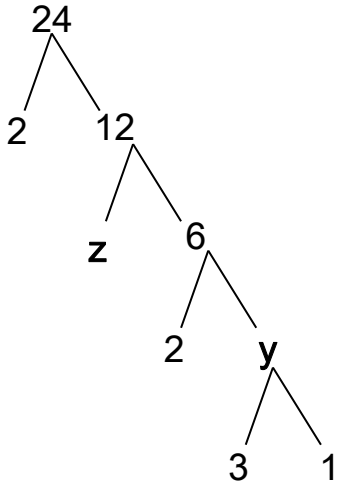
(b) If Dragon received a change of shs. 7,000, how much money did he give the cashier?	(2 marks)
119. A carpet measuring 6m by 4m was laid on a rectangular floor measuring 9m by 6m. Study the diagram and find the area of the floor not covered by the carpet.  	(4 marks)
120. (a) Find the expanded number in; (i) $(7 \times 10^4) + (3 \times 10^1) + (2 \times 10^0)$	(2 marks)
(ii) 90,000 + 0.04 + 3,000	(2 marks)

(b) Work out; MMVI – MIV and give your answer in words.	(2 marks)
121. Complete the following statements using either; >, < or = a) 12 x 0 x 3 _____ 12 + 0 + 3 b) 22 – 2 _____ 202 – 22 c) 10^3 _____ 1000	(6 marks)
122. In a group, there are 35 pupils who like dancing (D), 25 like singing (S) and 17 like both activities. (a) Show the above information on the venn diagram below.  	(3 marks)
(b) How many pupils do not like dancing?	(1 mark)

(c) Find the total number of pupils in the group.			(2 marks)
123. Given the number 9783, (a) Show the above number on the abacus below. **Th H T O** 			(1 mark)
(b) Write the number in words.			(1 mark)
(c) Add the value of 9 and place value of 8 in the above number in words.			(2 marks)
124. Simplify ; (a) $^{-}3 + {}^{-}4 =$	(b) $^{+}7 + {}^{+}5 =$	(c) $2 \times {}^{-}6 =$	(6 marks)

125. Study the prime factorisation below. (2 marks)

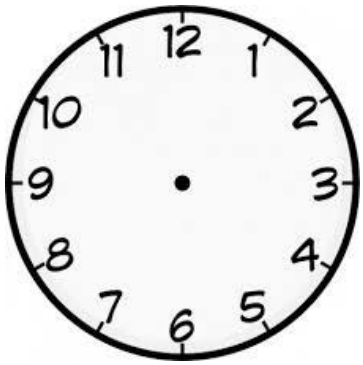


(d) Find the value of **z** and **y**. (1 mark @)

(i) **z** = _____, (ii) **y** = _____

(e) Find the least number that is divisible by either 5 or 7 without leaving a remainder. (2 marks)

126. (a) Show 8:15 on the clock face below. (2 marks)



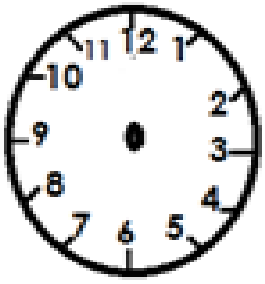
(b) A watch loses five seconds in a minute. How many seconds will the same watch lose in an hour?	(2 marks)	
127. In a sachool of 800 pupils, $\frac{5}{8}$ of them are girls and the rest are boys. (a) Find the fraction of boys in the school.	(2 marks)	
(b) Find the number of girls in the school.	(1 mark)	
(c) How many more girls than boys are in the school?	(2 marks)	

128. With the help of a compass, pencil and a ruler only, construct a rectangle PQRS where line PQ = 6cm and line QR = 3.5cm.	(3 marks)

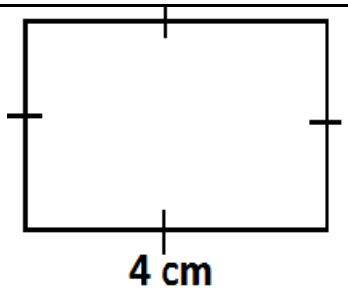
PAPER 11

SECTION 'A' (40 MARKS)

1.	Add: 26 + 4	2.	Expand: 246
3.	Add : 111_{two} + 100_{two}	4.	Multiply: $\frac{2}{5}$ x 20
5.	Name the set symbol below:  _____	6.	Write 35 in Roman numerals.

7.	What is the place value of 7 in the number 4678?		
8.	Add: $\frac{2}{7} + \frac{1}{7}$		
9.	Find the next number in the sequence. 2, 4, 8, 16, 32, _____	10	Round off 267 to the nearest tens.
11.	Show 8.30 on the clock face below.  	12	Add: 2678 plus 2694.

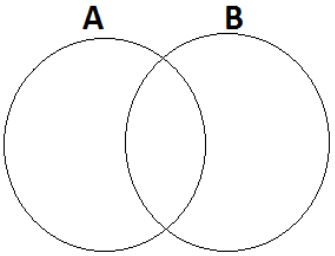
13.	Multiply: 2 6 X 2 _____ _____	14.	Draw a venn diagram to show that all cows are cattle.
15.	One book costs shs.300. What is the cost of 6 similar books?		
16.	Find the area of the figure below.		

			
17.	Change 2m to cms.	18.	What is the second day of the week?
19.	Draw a cylinder in the space below.	20	Find the missing number. ☐ + 5 = 26

SECTION 'B' (60 MARKS)

21. Given that set A = $\{3, 6, 9, 12\}$ and set B = $\{6, 12, 18, 24\}$

a) Put the information on the Venn diagram below. ***(3mks)***



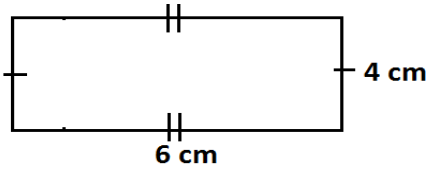
b) Find n (A n B). ***(2mks)***

22.a) Work out the following. ***(2 marks @)***

$$\begin{array}{r} 267 \\ \times \quad 2 \\ \hline \\ \hline \end{array}$$

b) $2\overline{)24}$

23i) a)	Round off to the nearest hundreds. 2670 **(2mks)**	b)	47894 **(2mks)**
ii)	What is the place value of 8 in the number 47892? **(2 mks)**		
24. a)	Alice is 17 years old; Joan is 8 years older than Alice. How old is Joan? ***(2 mks)***		
b)	Find their total age. **(2 mks)**		

c)	What is their total age difference? ***(2 mks)***		
25 a)	Workout: ***(2mks @)*** $\frac{1}{4} + \frac{2}{4}$	b)	What is $\frac{2}{3}$ of 24
c)	$\frac{3}{7} + \frac{1}{2}$		
26. a)	Use the figure below to answer the questions that follow.  Find the area of the figure above? ***(2 mks)***	b)	Find the perimeter of the above figure. ***(2 mks)***

c) How many lines of folding symmetry does the above figure have? **(2 mks)**

27. Use <, > or = to complete the statements below. **(1 mk @)**

i) 2 km _____ 1000m

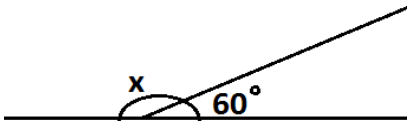
ii) 1 month _____ 4 weeks

iii) 1 kg _____ $\frac{1}{2}$ kg + $\frac{1}{2}$ kg

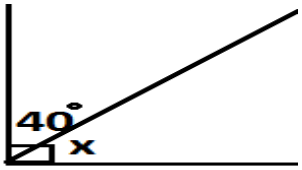
iv) 24 _____ 42

28) Find the value of angles marked with letter **x.** ***(2 mks @)***

(a)



b)



29 Study the price list below and use it to answer the questions that follow.

- 1 litre of milk = shs 800/=
- A loaf of bread = shs 2200/=
- A bar of soap = shs 3500/=

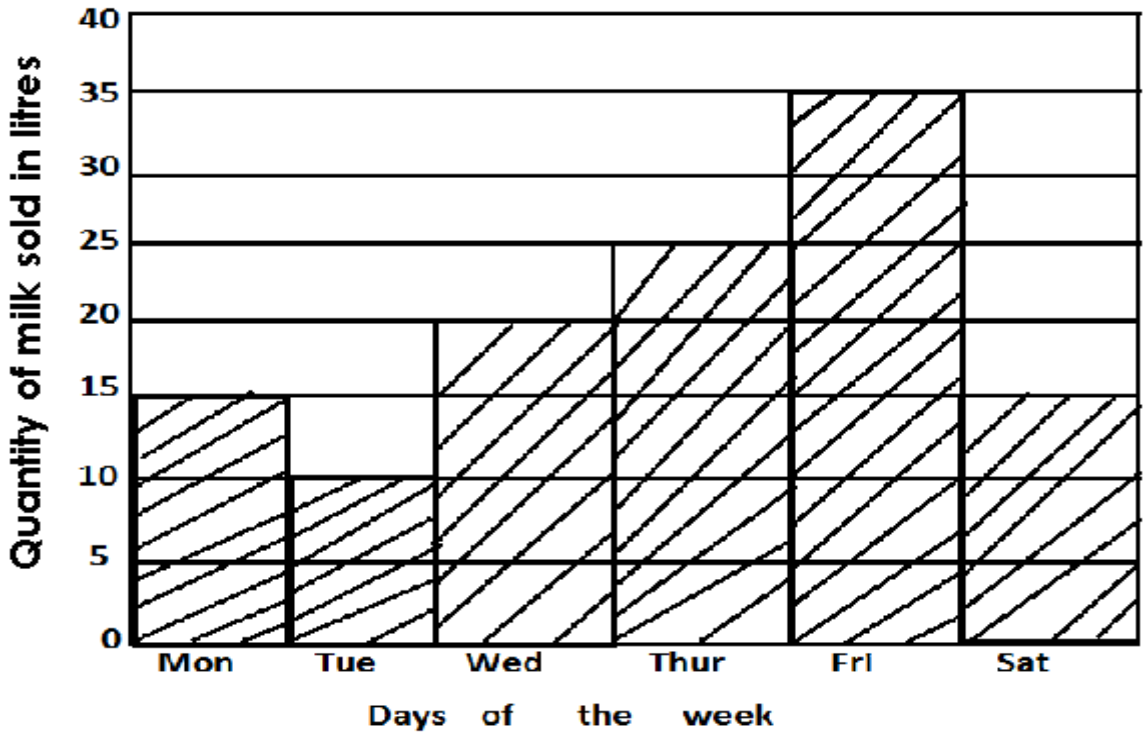
a) How much does one pay for a loaf of bread? **(2 mks)**

b) If Ali bought all items, how much did he spend? ***(2mks)***

30. Draw these shapes. ***(2 mks @)***

a) Cube

b) Triangle

31 a)	Find the missing numbers. ***(2mks @)*** x – 2 = 12	b)	Y + 4 = 10
32. a)	Study the graph below and answer the questions that follow.  On which day was the least amount of milk sold? ***(1 mk)***		

b)	Which days had the same sales? ***(1 mk)***
c)	How many more litres were sold on Friday than on Monday? ***(2 mks)***
d)	How much milk was sold on Friday and Wednesday? ***(2 mks)***

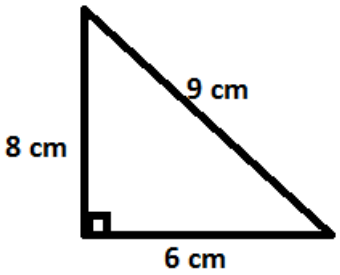
PAPER 12

SECTION 'A' (40 MARKS)

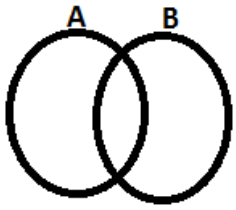
1.	Multiply: 2 3 x 2 _____ _____	2.	Find the value of **7** hundreds.
3.	Expand **7,524** using values.	4.	Solve for x X + 7 = 10
5.	Prime factorise **32**	6.	List down all the factors of **12**

7.	Think of a number add 8 to it and the result is 14. What is the number?		
8.	If  represents 8 cups. How many cups are represented by 		
9.	Add: $\frac{1}{3} + \frac{1}{4}$	10	Find the square root of 100.

11.	The cost of a plate is shs.700. Find the cost of 4 similar plates.	12	Change 8 metres to centimeters.
13.	Express $3\frac{1}{3}$ as an improper fraction.	14.	Write **1,429** in words.
15.	Change 213five to base ten.		

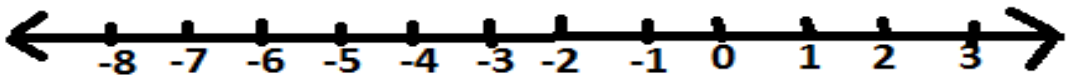
16.	Calculate the area of the figure below.  		
17.	Write **34** in Roman numerals.	18.	Find the LCM of 6 and 8.
19.	Which month of the year comes after March?	20	Find the next number in the sequence. 1, 2, 4, 7, 11, _____
	SECTION 'B' (60 MARKS)		
21.	Use the digits **4, 2, 6** to answer the questions that follow:		
a)	Form the smallest three digit number from the above digits. ***(1mk)***	b)	Form the largest three digit number from the above digits. ***(1mk)***

c)	Find the sum of the smallest and largest number formed. ***(2mks)***
22a	How long is it from 8:15am to 10:30 am? ***(2 marks)***
b)	A car covered a distance of 180km in 3 hours. What was the car`s average speed? ***(2mks)***
c)	Change $2\frac{1}{2}$ hours to minutes. **(2 mks)**

23. a)	Given that set A= $\{1, 2, 3, 4, 5, 6\}$ and set B= $\{2, 4, 6, 8, 10\}$ Represent the above information in the Venn diagram below. **(3 mks)**  	b)	Find A-B **(1 mk)**
c)	Find AnB. ***(1mk)***		

24. a) Mr. Otim went for shopping with shs.50,000 and bought the items below. Complete the table below. ***(5mks)***

Items	Quantity	Unit cost	Amount
Meat	2kg	Sh. 10,000	Sh._____
Rice	_____kg	Sh. 3000	Sh. 9000
Salt	$\frac{1}{2}$ kg	Sh. 1000	Sh. _____
Beans	3 kg	Sh. _____	Sh. 6000
		Total	Sh. _____

b)	Calculate Mr. Otim`s change **(1 mk)**		
25a)	Workout: -4 + +7 ***(2mks)***		
b)	Represent **-6** on the number line below **(2 mks)**  		
26. **a)**	Sarah scored the following marks in the beginning of term three exams, 70, 80, 60 and 90. Use it to answer the questions that follow. Calculate Sarah`s average mark. **(2 mks)**	c)	What was the range of Sarah`s marks? ***(1 mk)***

b)	What was Sarah`s median mark? **(2 mks)**		
27a	Rearrange $\frac{1}{3}$, $\frac{1}{2}$ and $\frac{1}{4}$ in ascending order **(4 mks)**		
b)	Simplify: $\frac{1}{6} + \frac{2}{6}$ **mks)**		**(2**

28) What is the product of the value of 6 and the value of 3

(a) In the number 2,463

(3mks)

b) Express 64 as a product of its prime factors.

(2mks)

29

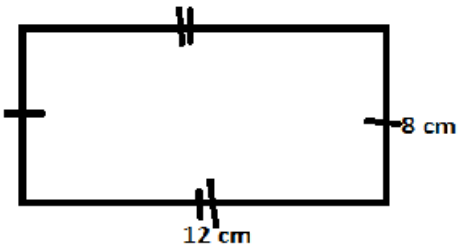
a) Add:

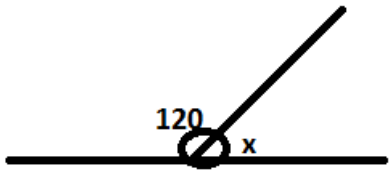
3 1 2five

+ 1 2 3five

(2mks)

b) Change 24ten to base three. **(2 mks)**

30. a)	Use the figure below to answer the questions that follow.  Calculate the area of the above figure. **(2 mks)**	b)	Find the perimetre of the above figue. **(2mks)**
c)	How many lines of folding symmetry has the above figure? **(2 mks)**		

31a)	Find the values of angle marked with letter x. **(2 mks)**  	b	What is the compliment 40°**?** ***(2mks)***
32.	Using a pair of compasses, ruler and a pencil only, construct a square whose side is 5cm. **(5 mks)**		