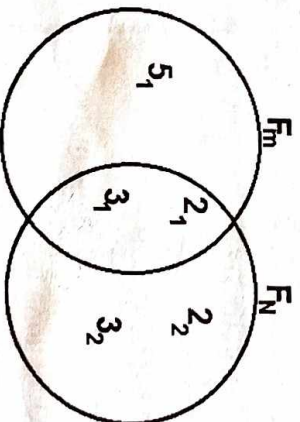

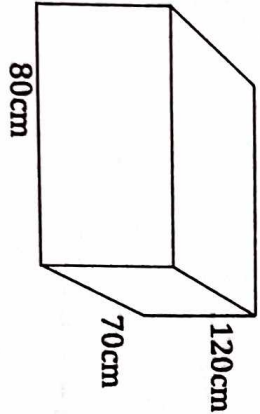
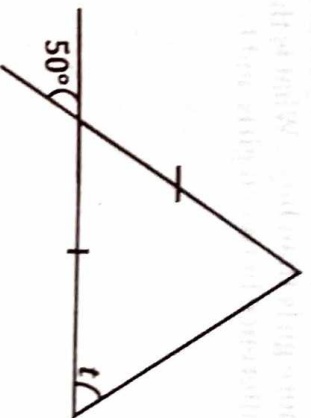


SECTION A (40 MARKS)

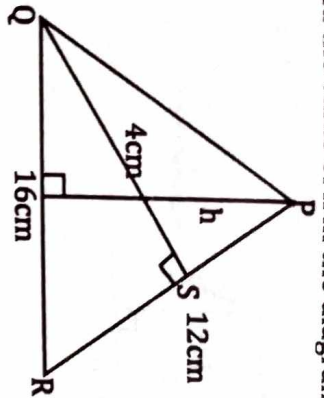
1.	Workout $48 \div 6$.	2.	Write 90,009 in words.
3.	Change 0.44 kilometres to metres.	4.	Express 594 in Roman numerals.
5.	Use the venn diagram below to find the Highest common factor of F_m and F_n .		
6.	Workout $37\frac{1}{2}\%$ as a ratio.		
7.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 240° .		



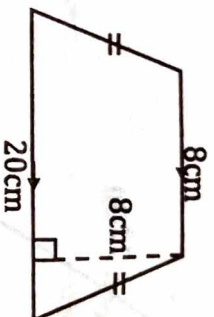
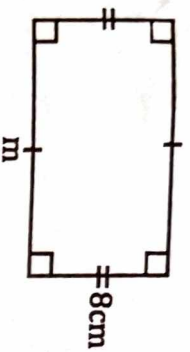
8.	In Yumbe village, there are 65 huts. Given that  represents 13 huts, draw a pictograph to represent the above information.	9.	In a school, there 480 boys and 60 more girls than boys. What is the difference between girls and boys?
10.	Given that $DUE = \{1, 2, 3, 5, 7\}$. $DUE = \{2, 3, 5\}$ and $D-E = \{11, 7\}$. Find $n(E)$.	11.	Express 12:40am in 24 hour clock system.
12.	The cuboid tank below has water of height $\frac{2}{3}$ full. Find the amount of water in the tank in litres. 		
13.	Calculate the exchange rate in Uganda shillings at which the bank gives 150Us dollars to Ug sh 577,500.		



14.	Study the diagram below and use it to answer questions. Find the value of t .	
15.	Find the square root of 1.21.	16. Find the mean of $3d$, 6 , $7d-9$, and $2d+7$.
17.	What simple interest is earned on sh 800,000 at interest rate of 20% per month for 3months?	18. Complete the sequence correctly. 9, 16, 25, 36, 49, _____.
19.	In a line of vehicles to Kololo independence ground, minister of Education's car is 6 th and 19 th from either side of the line, How many vehicles are in the line?	

<p>20. Find the value of h in the diagram below.</p> 	
SECTION B:	
<p>21. a) Write 0.0043056 in standard form. (02marks)</p> <p>b) Given that $203p = 125$ solve for p. (03marks)</p>	
<p>22. Hajji Muhammad has 500 bags of cement in his hardware. If each bag weighs 50kg. a) Find the total weight of bags in kilograms. (02marks)</p>	
<p>b) How many tonnes of cement does he have in the hardware? (02marks)</p> <p>c) If each bag of cement is sold at sh 30,000. How much money will hajji Muhammad get if he sold all his bags of cement? (02marks)</p>	

23. Below is a rectangle and an isosceles trapezium with the same area. Study them carefully and answer questions.



Find the length m of the rectangle.

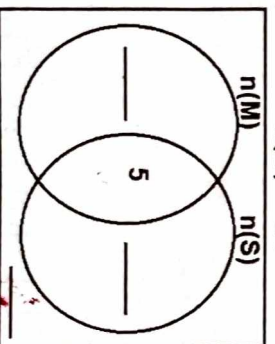
(05marks)

24. In a P.7 class of 56 pupils, 20 like science (S), K like mathematics (M) only which is also twice the number of pupils who like neither science nor mathematics.

a) Complete the venn diagram below.

$$n(E) = 56$$

(03marks)



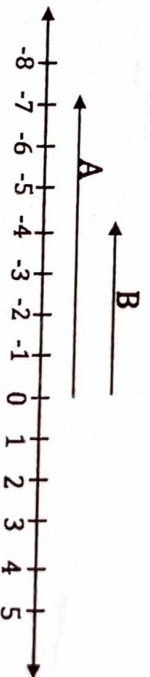
b) Find the value of K.

(03marks)

25. Mr Opio borrowed sh 900,000 from Iteso cultural Association (ICA) at a simple rate of 10% per month for a period of $\frac{2}{3}$ years. Calculate the total amount he paid back to the association. (04marks)

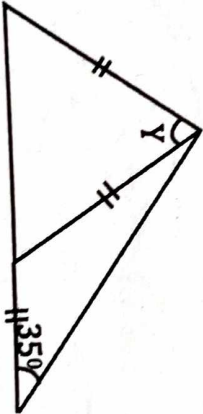
26. a) Workout $\begin{array}{r} 432 \\ +134 \\ \hline \end{array}$ five (02marks)

b) What is the difference between the two people below? (02marks)



27. Using a ruler, a pencil and a pair of compasses only. Construct a rhombus KLMN in which $KL = 6\text{cm}$ and angle $KLM = 120^\circ$. (04marks)

b) Measure diagonal LN. (01mark)

28.	<p>a) Opio ran 450 metres in $1\frac{1}{2}$ minutes. Calculate his speed in metres per second. (03marks)</p>
b)	<p>A motorist covered a journey at a speed of 54km/h in $4\frac{1}{2}$ hours. How long will the motorist take to cover the same distance at a speed of 81km/h? (03marks)</p>
29.	<p>a) Study the triangle below and use it to answer questions that follow.</p> <div style="text-align: center;">  </div> <p>Find the value of Y. (02marks)</p>

b) The interior and exterior angles of a polygon are in the ratio of 3:2. Calculate the number of sides of the polygon. (04marks)

30. During a party passion fruit juice was mixed with water to make juice for the guests. If 28 litres of passion fruits was used and this was 40% more than the amount of water in the juice. How much juice was prepared? (04marks)

31.	In Arua Public P/S teachers have a saving SACCO of 20 members who save monthly sh 30,000 each. a) How much money will be saved at the end of the year? (02marks)
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b)	How much did each member save for a whole year?	(02marks)																					
32.	<p>The graph represents a motor cyclist journey from Iganga to Kampala through Jinja and back to Iganga.</p> <table border="1"> <caption>Journey Data</caption> <thead> <tr> <th>Time</th> <th>Location</th> <th>Distance from Iganga (km)</th> </tr> </thead> <tbody> <tr> <td>7:00am</td> <td>Iganga</td> <td>0</td> </tr> <tr> <td>8:00am</td> <td>Jinja</td> <td>100</td> </tr> <tr> <td>9:00am</td> <td>Kampala</td> <td>180</td> </tr> <tr> <td>11:00am</td> <td>Kampala</td> <td>180</td> </tr> <tr> <td>12:00am</td> <td>Jinja</td> <td>100</td> </tr> <tr> <td>1:00am</td> <td>Iganga</td> <td>0</td> </tr> </tbody> </table>		Time	Location	Distance from Iganga (km)	7:00am	Iganga	0	8:00am	Jinja	100	9:00am	Kampala	180	11:00am	Kampala	180	12:00am	Jinja	100	1:00am	Iganga	0
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12:00am	Jinja	100																					
1:00am	Iganga	0																					
a)	How far is Jinja from Kampala?	(01 mark)																					
b)	How long did the motor cyclist take to travel back from Kampala to Iganga?	(01 mark)																					
c)	Calculate the motorcyclist's average speed for the whole journey.	(03 marks)																					

****Success****