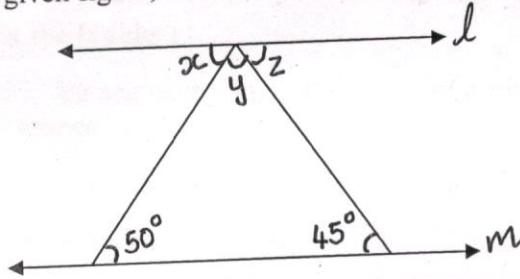


22. The sum of three consecutive numbers is 81. Find the number. (3)
23. The length of the rectangle is 12cm and its diagonal is 13cm. Find its perimeter. (3)
24. In the given figure, $l \parallel m$, find the values of x , y and z . (3)



SECTION - D

Question numbers 25 to 28 carry 4 marks each :

25. A storm caused a tree to fall from a height of 6m above the ground. The two parts of the tree did not separate and the tree-top touches the ground at a distance of 8m from its base. What was the actual height of the tree? (4)
26. The number of girls and boys in various clubs of a school are given below : (4)

Name of the Club	Debate	Music	Mathematics
Number of Girls	35	40	50
Number of Boys	25	35	70

- a) Draw a double bar graph to represent the above data.
 b) Which club has maximum and minimum number of students?

27. The rainfall in a city, during 7 days of a certain week is recorded as follows : (4)

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	3.5	8.2	0.0	20.5	7.3	1.0	5.0

- a) Find the range of the amount of rainfall from the above data.
 b) What is the mean rainfall for the week?
 c) Which day had the maximum amount of rainfall?

28. Prove that $\triangle ABD = \triangle BAC$. (4)

