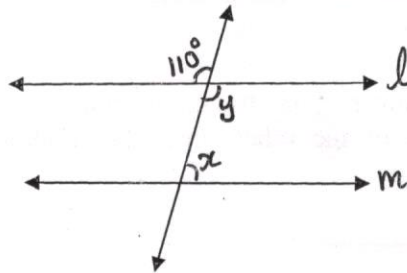


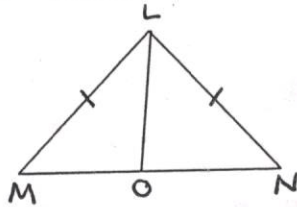
11. Priya's mother is seven times as old as Priya. If the sum of their ages is 32 years, find their ages. (2)
12. Is it possible to have a triangle with sides 3cm, 4cm and 6cm? Justify your answer. (2)
13. ΔABC and ΔDEF are congruent under the correspondence $ABC \leftrightarrow DEF$. Write the equivalent parts which correspond to : (2)
- (a) EF (b) $\angle C$
14. Given $l \parallel m$, find measure of $\angle x$ and $\angle y$. (2)



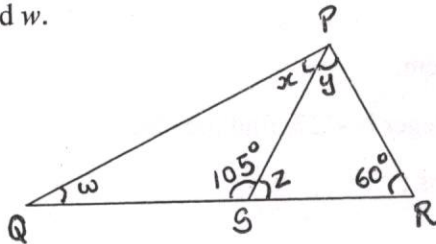
SECTION - C

Question numbers 15 to 24 carry 3 marks each :

15. In the following figure, $LM = LN$ and O is the mid-point of MN . Prove that $\Delta LMO \cong \Delta LNO$. (3)



16. Gautam scored twice as many runs as Yuvraj. Together their runs fell four short of a century. How many runs did each one score? (3)
17. Find the product, using suitable properties : $15 \times (-25) \times (-4) \times (-10)$ (3)
18. In the following figure, if PS is the bisector of $\angle QPR$, find the measures of angles x, y, z and w . (3)



19. Solve : $3(2x - 3) + 5(3x - 4) = 14$ (3)
20. The weights of 6 students (in kgs) are 31, 32, 25, 24, 26, 30. Find the median. (3)
21. A dice is thrown at random. Find the probability of getting : (3)
- a) a 6
b) an even number
c) a number greater than 4