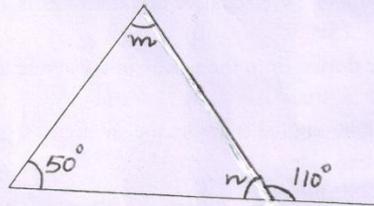




- Q15) The sum of two consecutive odd numbers is 68. Find the numbers.
- Q16) In an isosceles triangle, the base angles are equal. The vertex angle is  $80^\circ$ . What are the base angles of the triangle?
- Q17) A local cricket team played 20 matches in one season. It won by 25% of them. How many matches did they lose.

- Q18) Find the angles 'm' and 'n' in the given figure.



#### SECTION-D

- Q19) Solve the following equations:
- $4(3x - 5) - 5(2x - 4) = 10$
  - $2b - (3x + 10) = 4b - 35$
- Q20) The diagonals of a rhombus measure 24cm and 10cm. Find its perimeter.
- Q21) The sum of three consecutive integers is 105. Find the integers.
- Q22) The length of the diagonal of a rectangular garden is 34 m. If the longer side measures 30m. find the length of the shorter side of the garden.
- Q23) Sunil borrowed Rs 3800 from the bank at the rate of  $14\frac{1}{2}\%$  per annum for  $2\frac{1}{2}$  years. Find the interest and amount paid by him.
- Q24) A man is 4 times as old as his son. After 16 years, he will be only twice as old as his son. Find their present ages.
- Q25) Virat scored twice as many runs as Sachin. Together, their runs fell eight short of a double century. How many runs did each one score.
- Q26) Mohit bought a tractor for Rs 550000. The next year, the price went upto Rs 630000. What was the percentage of price increase?
- Q27) At what rate percent per annum Rs 2500 bring Rs 375 as interest for 3 years?
- Q28) Mohan gains 5% by selling his old scooter for Rs 6720. If he sells it for Rs 6500, find his gain or loss percent.