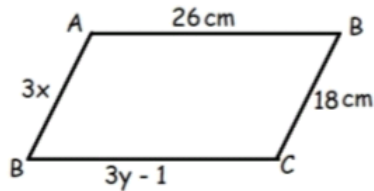


Section – C

(2 x 5 = 10)

16. An exterior angle and the interior angle of a regular polygon are in the ratio 2 : 7. Find the number of sides of the polygon.
17. In parallelogram ABCD. Find x and y.

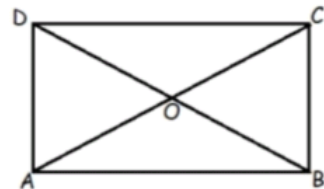


18. Find the number of sides of a regular polygon whose each exterior angle measures 60° .
19. Four angles of a quadrilateral are in the ratio 3 : 4 : 5 : 6. Find its angles.
20. ABCD is a rhombus with $\angle DAB = 56^\circ$. Determine $\angle DBC$.

Section – D

(3 x 5 = 15)

21. In the given figure, ABCD is a rectangle and its diagonals meet at O. Find x, if $OA = (2x + 4)$ and $OD = (3x + 1)$. Also find BD.

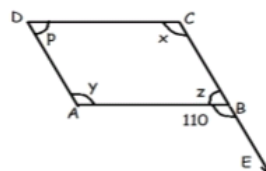


23. Two adjacent angles of a parallelogram are $(3x - 4)^\circ$ & $(3x + 10)^\circ$. Find the angles of the parallelogram.
24. Three angles of a quadrilateral are in the ratio $4 : 6 : 3$. If the fourth angle is 100° , find the three angles of the quadrilateral.
25. One side of a parallelogram is 4.8 cm and the other side is $1\frac{1}{2}$ times of this side. Find the perimeter of the parallelogram.

Section – E

(4 x 5 = 20)

26. The sum of two angles of a quadrilateral is 160° . The other two angles are in the ratio $2 : 3$. Find the angles.
27. The measure of the diagonal of a rectangle is 5 cm. If one of its sides is 3 cm, then find its perimeter.
28. In the given figure, ABCD is a parallelogram. Find the value of x , y , z , p .



29. The diagonals of a rhombus are 6 cm and 8 cm respectively. Find the length of the sides of the rhombus. Also find its perimeter.

30. Find $x + y + z + w$ in the given figure.

