

Section – A
(Each question carries 1 mark)

- Solution of equation $5p - 3 = 12$ is
(a) -2 (b) $\frac{9}{5}$ (c) 3 (d) -3
- Which of the following is not true for the adjacent angles of a rectangle?
(a) they are equal to each other (b) they are complementary angles
(c) they are right angle (c) they are supplementary angles
- Which equation have solution as $k = 2$
(a) $-4 = 10 - 3k$ (b) $4 = 3k + 10$ (c) $-4 = -3k - 10$ (d) $4 = -3k + 10$
- The sides of pentagon are produced in order. Which of the following is the sum of its exterior angles?
(a) 540° (b) 720°
(c) 180° (b) 360°

Section – B
(Each question carries 2 marks)

- The sum of the interior angles of a regular polygon is twice the sum of the exterior angles. Find the number sides of the polygon.
- Solve $3(p - 9) = -15$

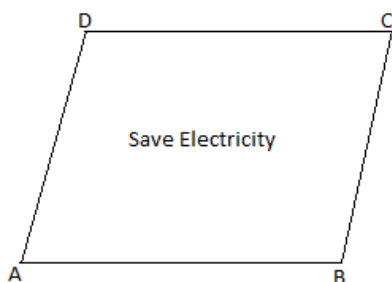
Section – C
(This question carries 3 marks)

- Solve and check your solution $\frac{k - (7 - 8k)}{9k - (3 + 3k)} = \frac{2}{3}$

Section – D

(This question carries 4 marks)

- Ranjeeta makes a poster in the shape of a parallelogram on the topic save electricity for an inter school competition as shown in the figure. Answer the following questions.



- If $\angle A = (4x + 3)^\circ$ and $\angle C = (5x - 3)^\circ$ find $x = ?$ **1**
- If $AB = 2y - 3$ and $CD = 5cm$ then $y = ?$ **1**
- Find all the angles of this parallelogram. **2**