Chapter- 17

Perimeter and Area

WORKSHEET

A. FILL IN THE BLANKS:

1. The distance around a plane figure is called its perimeter
2. A farmer who wants to fence his field, must find the perimeter of the field.
3. Perimeter of a square with side 15 cm is 60.
4. Area of a rectangle with length 9 m and breadth 3 m is 27 m^2.
5. The area of a square field with side 11 cm is 121 sq. cm.

B. CHOOSE THE CORRECT ANSWER:

1. Area of a square is Side x Side
   b) Product of all sides b) sum of all sides c) side × side d) 2 × side
2. The area of a square is equal to the area of a rectangle of length = 8 cm and breadth = 2 cm. What is the side of the square?
   a) 6 cm b) 4 cm c) 3 cm d) 8 cm
3. The breadth of a rectangle is increased by 2 cm. Its perimeter is now increased by 4cm.
   a) 2 cm b) 4 cm c) 8 cm d) 16 cm
4. 9m is the length of a rectangle whose area is 72 m^2 and breadth is 9 m.
   a) 6 m b) 7 m c) 8 m d) 9 m
5. 1 square metre is the area of a square of side 1m.
   a) 1 cm b) 1 m c) 1 mm d) 1 km

C. SOLVE THE WORD PROBLEMS:

1. Vidya bought a tablecloth 4 m long and 3 m wide. She wanted to put lace around the tablecloth.

   i. Find how many metres of lace is required?

   ii. Find total cost of lace, if 1 metre costs ₹ 4.

Ans. Length of the tabledoth - 4m
Breath of the tebledoth - 3m
Perameter of the tebledoth = 2x(4+3) = 7x2 = 14
Cost of 1 metere - ₹4
Cost of 14 metere = 14x4 = ₹56

2. For the assertion (A) and reason (R) below, choose the correct alternative.

   Assertion (A): Vidya needs to find the perimeter to put lace around the tablecloth.

   Reason(R): It is not possible to put lace on the surface of the tablecloth.

   a. Both A and R are true and R is the correct explanation of A.

   b. Both A and R are True but R is not the correct explanation of A.

   c. A is true but R is false

   d. A is false but R is true.

Ans. c. A is true but R is false