

## 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 cm.
4. Area of a rectangle with length 9 m and breadth 3 m is 27 m<sup>2</sup>.
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  
a) Product of all sides    b) sum of all sides     c) side x side    d) 2 x 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 4 cm.  
a) 2 cm     b) 4 cm    c) 8 cm    d) 16 cm
4. 8 m is the length of a rectangle whose area is 72 m<sup>2</sup> 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 1 m.  
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.
- Find how many metres of lace is required?
  - Find total cost of lace, if 1 metre costs ₹ 4.

Ans. Lace = Perimeter of cloth  
 $= 2(4+3)$   
 $= 2 \times 7 = 14 \text{ m}$

Cost of lace  
 $= 14 \text{ m} \times 4$   
 $= ₹ 56$

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.

- Both A and R are true and R is the correct explanation of A.
- Both A and R are True but R is not the correct explanation of A.
- A is true but R is false.
- A is false but R is true.

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