

Chapter- 17

Perimeter and Area

WORKSHEET

A. FILL IN THE BLANKS:

- The distance around a plane figure is called its perimeter.
- A farmer who wants to fence his field, must find the perimeter of the field.
- Perimeter of a square with side 15 cm is 60 sq. cm.
- Area of a rectangle with length 9 m and breadth 3 m is 27 m².
- The area of a square field with side 11 cm is 121 sq. cm.

B. CHOOSE THE CORRECT ANSWER:

- 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
- 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
- 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
- 8 m is the length of a rectangle whose area is 72 m² and breadth is 9 m.
 a) 6 m b) 7 m c) 8 m d) 9 m
- 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. i. Perimeter of the table cloth = $2 \times l + b$
 $= 2 \times 4 + 3$
 $= 8 + 3$
 $= 11 \text{ m}$

ii. Cost of 1 metre = ₹ 4
 \therefore Cost of 11 metre lace = 11×4
 $= \text{Rs. } 44$

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. c. A is true but R is false