

Board - ICSE

Class - 7th

Topic - Perimeter & Area

Section A – MCQs (1Mark Each)

1. A rectangle measures $135\text{ m} \times 65\text{ m}$. What is its perimeter?
a) 400m b) 410m c) 420m d) 390m
2. The diagonal of a square is $12\sqrt{2}\text{ cm}$. What is its perimeter?
a) 48cm b) 60cm c) 24cm d) 36cm
3. A rectangle has a length of 30m and a diagonal of 34m. What is its breadth?
a) 16m b) 18m c) 20m d) 24m
4. Find the perimeter of a rectangle of dimensions $24.5\text{ m} \times 1.6\text{ m}$.
a) 52.2m b) 48.2m c) 50.2m d) 54.2m
5. A square wire of side 20cm is rebent into a rectangle of length 24cm. What is its breadth?
a) 16cm b) 18cm c) 14cm d) 12cm

Section B – Short Answer (2Marks Each)

6. What is the cost of fencing a rectangular field of dimensions $135\text{ m} \times 65\text{ m}$ at 60 per metre?
7. The perimeter of a rectangle is 88cm and its length is 24cm. Find its breadth.
8. The diagonal of a rectangle is 25cm and its length is 24cm. Find its breadth and perimeter.

Section C – Narratives (3Marks Each)

9. A rectangular floor measures $40\text{ m} \times 15\text{ m}$. It is to be paved with tiles of size $60\text{ cm} \times 50\text{ cm}$. How many tiles are required?
10. The length and breadth of a rectangular land are in the ratio 5:3. The total cost of fencing it is 9600 at the rate of 24 per metre. Find the length, breadth, area, and the cost of levelling at 60 per m^2 .

Section D – HOTS (4Marks Each)

11. The perimeter of a square is 56cm. Find its area.
12. Find the area of a triangle with sides 21cm, 17cm, and 10cm using Heron's formula.