Perimeter and Area Worksheet Class 6

Name: _____Class: _____Date: _____

Perimeter and Area Worksheet (60 Questions)

Part A: Fill in the Blanks (10 Marks)

1. The distance around a closed figure is called _____.
2. The space covered by a flat shape is called _____.
3. The perimeter of a square = _____ × side.
4. The area of a square = side × _____.
5. The area of a rectangle = length × _____.
6. The perimeter of a rectangle = 2 × (_____ + breadth).
7. The unit of perimeter is measured in _____ units.
8. The unit of area is measured in _____ units.
9. A square with side 5 cm has an area of _____ cm².
10. A rectangle with length 10 cm and breadth 4 cm has an area of _____ cm².

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Part B: Find the Perimeter of Squares (10 Marks)

11. Find the perimeter of a square with side 8 cm. Answer: _____
12. Find the perimeter of a square with side 15 m. Answer: _____
13. Find the perimeter of a square with side 25 cm. Answer: _____
14. Find the perimeter of a square with side 36 cm. Answer: _____
15. A square garden has a side of 50 m. Find its perimeter. Answer:_____

Part C: Find the Area of Squares (10 Marks)

16. Find the area of a square with side 6 cm. Answer: _____
17. Find the area of a square with side 12 m. Answer: _____
18. Find the area of a square with side 20 cm. Answer: _____
19. Find the area of a square with side 35 cm. Answer: _____
20. A square tile has a side of 15 cm. Find its area. Answer: _____

Part D: Find the Perimeter of Rectangles (10 Marks)

21. Find the perimeter of a rectangle with length 12 cm and breadth 5 cm. Ans._____
22. Find the perimeter of a rectangle with length 20 m and breadth 8 m. Ans._____
23. Find the perimeter of a rectangle with length 35 cm and breadth 15 cm. Ans._____
24. A playground is 50 m long and 30 m wide. Find its perimeter. Ans._____
25. A rectangular field has length 80 m and breadth 40 m. Find its perimeter. Ans._____

Part E: Find the Area of Rectangles (10 Marks)

26. Find the area of a rectangle with length 15 cm and breadth 8 cm. Answer:_____
27. Find the area of a rectangle with length 25 m and breadth 10 m. Answer:_____
28. Find the area of a rectangle with length 45 cm and breadth 20 cm. Answer:_____
29. A classroom is 12 m long and 8 m wide. Find its area. Answer:_____
30. A garden is 60 m long and 25 m wide. Find its area. Answer:_____

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Part F: Word Problems (15 Marks)

31. A square park has a side of 40 m. Find the cost of fencing it if fencing costs ₹5 per metre.
32. A rectangular playground is 70 m long and 40 m wide. Find the total distance covered in one round around it.
33. A square floor has side 9 m. Find the area of the floor.
34. A rectangular room is 15 m long and 10 m wide. Find the area of the room.
35. A farmer has a rectangular field of length 100 m and breadth 50 m. Find its area.
36. The perimeter of a square is 64 cm. Find its side.
37. The side of a square is 18 cm. Find its perimeter and area.
38. A rectangle has a perimeter of 50 cm. If its length is 15 cm, find its breadth.
39. A rectangular carpet is 8 m long and 5 m wide. Find the area covered by the carpet.
40. A square garden has an area of 144 m². Find the length of its side.

Part G: Challenge Questions (15 Marks)

41. Find the area of a rectangle with length 125 cm and breadth 40 cm.
42. Find the perimeter of a rectangle with length 75 m and breadth 25 m.
43. A square has a perimeter of 100 cm. Find its area.
44. Two rectangles have the same area. Rectangle A is 20 cm × 5 cm. Rectangle B has length 10 cm. Find its breadth.
45. Find the missing length of a rectangle if area = 240 cm² and breadth = 12 cm.
46. A rectangular swimming pool is 30 m long and 15 m wide. Find its perimeter.
47. Find the area of a square whose side is 2.5 m.
48. A wire is used to make a square of side 25 cm. Find the length of wire needed.
49. A rectangular sheet is 45 cm long and 30 cm wide. Find its perimeter and area.
50. A room floor measures 8 m × 6 m. How many square tiles of 1 m² are needed to cover it?

Extra Practice

51. Draw a rectangle with length 6 cm and breadth 3 cm. Find its perimeter and area.
52. Draw a square with side 4 cm. Find its perimeter and area.
53. Find the perimeter of a triangle with sides 8 cm, 10 cm, and 12 cm.
54. Find the area of a triangle with base 10 cm and height 6 cm.
55. A square field has side 75 m. Find the fencing required.
56. A rectangle has length 90 cm and breadth 45 cm. Find its area.
57. The area of a square is 225 cm². Find its side.
58. The perimeter of a rectangle is 80 cm. If length is 25 cm, find breadth.
59. A farmer wants to fence a square field of side 120 m. Find the total fencing needed.
60. A rectangular playground has an area of 900 m² and length 45 m. Find its breadth.

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