

6th - Area and Perimeter - I



Perimeter of a Rectangle: - $2(L+B)$ L = length B = breadth

Perimeter of Square: - $4 \times \text{side}$

Perimeter of a Triangle: - $(\text{Side} + \text{Side} + \text{Side}) = \text{Sum of Sides}$

Perimeter of an equilateral triangle: - $3a$ units where "a" is the side

Number of tiles= area of floor/area of tile

Area of rectangle= Length X Breadth

Area of square: - side X side

1. Find the perimeter of the rectangle whose length is 60m and 40m?
2. A rectangular paper is 4.5cm in length and 3.5 cm in breadth. Find its perimeter.
3. Find the perimeter of square shaped room with one side equal to 5m?
4. Raman has a chess board whose each side is 25.5 cm. Find the perimeter of the chess board.
5. Find the distance walked by Ashu, if he walks three rounds of a square park of side 70m?
6. Find the cost of fencing a square shaped park of side 250 m at the rate of Rs 20 per meter?
7. Find the perimeter of the following squares: (i) side= 3m (ii) side=20m
8. The length of a rectangular field is 100m. If its perimeter is 300 m, what is the breadth?
9. The dimensions of a picture are 30cm X 20cm. What length of wooden frame is needed to frame the picture?
10. Find the area of square whose side is 10m each.
11. How many square tiles with dimensions 5cm can be fixed on a small surface whose length is 48cm and breadth is 25cm?
12. Find the cost of tiling the floor of a room at the rate of Rs 8 per meter square, where the room measures 250m long and 100m broad.
13. The length of a rectangular field is 60m and the breadth is $\frac{3}{4}$ of its length. Find the area of the field?
14. The area of a rectangular frame is 1125 sq. m If its width is 25m what is its length?
15. One side of a square plot is 250m. Find the cost of levelling it at the rate of Rs 2 per m square?
16. A marble tile measures 23 cm by 20 cm. How many tiles will be required to cover a wall of size 4m by 3m?

