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# Perimeter and Area of Square

Top of Form

**Worked-out examples on Perimeter and Area of the Square:**

**1.** Find the perimeter and area of a square of side 11 cm.

**Solution:**

We know that the perimeter of square = 4 × side

Side= 11 cm

Therefore, perimeter = 4 × 11 cm = 44 cm

Now, area of the square = (side × side) sq. units

                                        = 11 × 11 cm²

                                        = 121 cm²

**2.** The perimeter of a square is 52 m. Find the area of the square.
**Solution:**

Perimeter of square = 52 m

But perimeter of square = 4 × side

Therefore, 4 × side = 52 m

Therefore, side= 52/4 m = 13m

Now, the area of the square = (side × side)

Therefore, area of the square = 13 × 13 m² = 169 m².

**3.** The perimeter of a square courtyard is 144 m. Find the cost of cementing it at the rate of $5 per m².

**Solution:**

Perimeter of square courtyard = 144 m

Therefore, side of the square courtyard = 144/4 = 36 m

Therefore, area of square courtyard = 36 × 36 m² = 1296 m²

For 1 m², the cost of cementing = $5

For 1296 m², the cost of cementing = $1296 × 5 = $6480