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Class :-06(Maths)

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**5. A rectangular piece of land measures 0.7 km by 0.5 km. Each side is to be fenced with 4 rows of wires. What is the length of the wire needed?**

**Solutions:**

Perimeter of the field = 2 (Length + Breadth)

$$= 2 (0.7 + 0.5)$$

$$= 2 (1.2)$$

$$= 2 \times 1.2$$

$$= 2.4 \text{ km}$$

Each side is to be fenced with 4 rows =  $4 \times 2.4$

$$= 9.6 \text{ km}$$

$\therefore$  Total length of the required wire is 9.6 km

**6. Find the perimeter of each of the following shapes:**

**(a) A triangle of sides 3 cm, 4 cm and 5 cm**

**(b) An equilateral triangle of side 9 cm**

**(c) An isosceles triangle with equal sides 8 cm each and third side 6 cm.**

**Solutions:**

**(a)** Perimeter of triangle =  $3 + 4 + 5$

$$= 12 \text{ cm}$$

**(b)** Perimeter of an equilateral triangle =  $3 \times \text{side}$

$$= 3 \times 9$$

$$= 27 \text{ cm}$$

**(c)** Perimeter of isosceles triangle =  $8 + 8 + 6$

$$= 22 \text{ cm}$$

**7. Find the perimeter of a triangle with sides measuring 10 cm, 14 cm and 15 cm.**

**Solutions:**

$$\text{Perimeter of triangle} = 10 + 14 + 15$$

$$= 39 \text{ cm}$$

∴ The perimeter of triangle is 39 cm

**8. Find the perimeter of a regular hexagon with each side measuring 8 m.**

**Solutions:**

$$\text{Perimeter of hexagon} = 6 \times 8$$

$$= 48 \text{ m}$$

∴ Perimeter of regular hexagon is 48 m

**9. Find the side of the square whose perimeter is 20 m.**

**Solutions:**

$$\text{Perimeter of square} = 4 \times \text{side}$$

$$20 = 4 \times \text{side}$$

$$\text{Side} = 20 / 4$$

$$\text{Side} = 5 \text{ m}$$

∴ The side of the square is 5 m