

## CH – 16 ( PERIMETER AND AREA )

### EXTRA QUESTIONS

**Q-1. A wire of length 56 cm is made into the shape of a heptagon . What is the side length of the heptagon ?**

Sol : Total length of the wire = 56 cm

Perimeter of the heptagon = 7 x side = 56 cm

$$\text{Side} = 56 \div 7 = 8\text{cm}$$

**Q-2. A square sheet of paper has a perimeter of 40cm . What is the length of its side ?**

Sol : Perimeter of square sheet = 40cm

$$4 \times \text{Side} = 40$$

$$\text{Side} = 40 \div 4 = 10\text{cm} .$$

**Q-3. How many envelopes of size 15cm x 20cm can be made out of a paper of size 4m x 6m ?**

Sol : length of the paper = 4 m = 4 x 100 = 400cm

$$\text{Breadth} = 6 \text{ m} = 6 \times 100 = 600 \text{ cm}$$

$$\text{Area of the paper} = L \times B = 400 \times 600 = 240000\text{cm}^2$$

$$\text{Area of 1 envelope} = 15 \times 20 = 300 \text{ cm}^2$$

$$\text{Number of Envelopes} = \frac{\text{Area of the paper}}{\text{Area of the Envelope}} = \frac{240000}{300} = 800$$

**Q-4. The area of a rectangular picture is 441 sq. Cm . If the breadth of the picture is 7cm , find its length .**

Sol : Breadth of the picture = 7cm

Area of the rectangular picture = L x B = 441

$$L \times 7 = 441$$

$$L = 441 \div 7 = 63 \text{ cm}$$