

Q. F. Find the area of the square, whose:

(1) side = 20 cm

Solution:

$$\begin{aligned} \text{Area of the square} &= \text{side} \times \text{side} \\ &= 20 \text{ cm} \times 20 \text{ cm} \\ &= 400 \text{ sq cm Ans} \end{aligned}$$

(4) side = 112 m

Solution:

$$\begin{aligned} \text{Area of the square} &= \text{side} \times \text{side} \\ &= 112 \text{ cm} \times 112 \text{ cm} \\ &= 12,544 \text{ sq cm} \end{aligned}$$

Ans

(7) side = 92 dm

Solution:

$$\begin{aligned} \text{Area of the square} &= \text{side} \times \text{side} \\ &= 92 \text{ dm} \times 92 \text{ dm} \\ &= 8,464 \text{ sq dm Ans} \end{aligned}$$

Q. G. (1) Find the perimeter of the triangle whose sides are 8 cm, 9 cm and 12 cm. Solution

$$\begin{aligned} \text{Perimeter of the triangle} &= \text{Sum of lengths of all the three sides} \\ &= 8 \text{ cm} + 9 \text{ cm} + 12 \text{ cm} = 29 \text{ cm Ans} \end{aligned}$$

Q. G. (2) Find the perimeter of the rectangle whose sides are 10 cm and 7 cm. Solution

$$\begin{aligned} \text{Perimeter of the rectangle} &= 2 \times (\text{length} + \text{breadth}) \\ &= 2 \times (10 \text{ cm} + 7 \text{ cm}) \\ &= 2 \times 17 \text{ cm} = 34 \text{ cm Ans} \end{aligned}$$

Q.5.(3) Find the perimeter of the square whose side is 14 cm
Solution: Perimeter of the square = $4 \times \text{side} = 4 \times 14 \text{ cm} = 56 \text{ cm}$ Ans

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① Area of a square of side 1 cm = $\text{side} \times \text{side} = 1 \text{ cm} \times 1 \text{ cm} = 1 \text{ sq cm}$ Ans

② Area of a square of side 1 cm 2 mm = 144 sq mm
[side = 1 cm 2 mm = 1 cm + 2 mm = 10 mm + 2 mm = 12 mm
 \therefore Area of the square = $\text{side} \times \text{side} = 12 \text{ mm} \times 12 \text{ mm} = 144 \text{ sq mm}$]

③ Area of a rectangle of dimensions 1 m and 2 m is
= $1 \text{ m} \times 2 \text{ m} = 2 \text{ sq m}$ Ans [Area of the rectangle = $l \times b$]

④ Find the area of the square whose perimeter is 4 cm.

Solution: Given,

Perimeter of the square = 4 cm

$\therefore 4 \times \text{side} = 4 \text{ cm}$

$\therefore \text{side} = 4 \text{ cm} \div 4 = 1 \text{ cm}$

[Side of a square = $\text{perimeter} \div 4$]

\therefore Area of the square
= $\text{side} \times \text{side}$
= $1 \text{ cm} \times 1 \text{ cm}$
= 1 sq cm Ans