



How to Calculate the Area of a Square?

FREE Worksheet - 4

Time: 20 minutes

(Detailed solutions at the end)

1. Shreya mowed her garden. The garden has sides of 9 m and 9 m. What is the area of the garden?

Answer: _____ m²

2. The length of a square plate is 3 cm. What is the area of the plate?

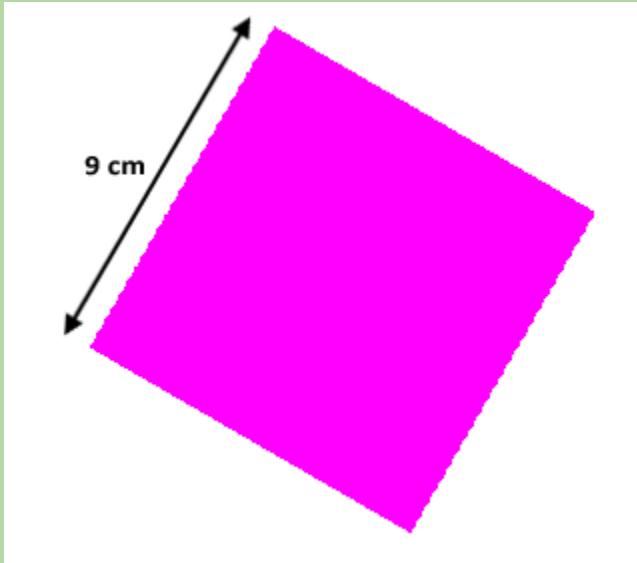
Answer: _____ cm²

3. Lance painted a 5 m by 5 m piece of glass. What is the area of the glass he painted?

Answer: _____ m²



4. Find the area of the given square.



Answer: _____ cm^2

5. A square has sides of 6 m. What is the area of the square?

Answer: _____ m^2

6. The length of one side of a square sheet of paper is 3 cm. What is the area of the sheet of paper?

Answer: _____ cm^2



SOLUTIONS

Problem 1

Area of square = Length of side \times Length of side

$$= 9 \text{ m} \times 9 \text{ m}$$

$$= 81 \text{ m}^2$$

The area of the garden is 81 m^2 .

Problem 2

Area of square = Length of side \times Length of side

$$= 3 \text{ cm} \times 3 \text{ cm}$$

$$= 9 \text{ cm}^2$$

The area of the square plate is 9 cm^2



Problem 3

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 5 \text{ m} \times 5 \text{ m} \\ &= 25 \text{ m}^2\end{aligned}$$

The area of the glass he painted is 25 m^2

Problem 4

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 9 \text{ cm} \times 9 \text{ cm} \\ &= 81 \text{ cm}^2\end{aligned}$$



Problem 5

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 6 \text{ m} \times 6 \text{ m} \\ &= 36 \text{ m}^2\end{aligned}$$

Problem 6

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 3 \text{ cm} \times 3 \text{ cm} \\ &= 9 \text{ cm}^2\end{aligned}$$

The area of the sheet of paper is 9 cm^2 .