



How to Calculate the Area of a Square?

FREE Worksheet - 5

Time: 20 minutes

(Detailed solutions at the end)

1. Darlene mowed her garden. The garden has sides of 6 m and 6 m. What is the area of the garden?

Answer: _____ m²

2. Camila cut out a 7-cm square from a piece of cloth. Find the area of the square she cut out.

Answer: _____ cm²

3. The length of one side of a square sheet of paper is 9 cm. What is the area of the sheet of paper?

Answer: _____ cm²



4. Ross painted a 8 m by 8 m piece of glass. What is the area of the glass he painted?

Answer: _____ m²

5. A square sheet of pastry is 8 cm long. Find the area of the sheet of pastry.

Answer: _____ cm²

6. A square has a side of 9 m. What is the area of the square?

Answer: _____ m²



SOLUTIONS

Problem 1

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

$$= 6 \text{ m} \times 6 \text{ m}$$

$$= 36 \text{ m}^2$$

The area of the garden is 36 m^2 .

Problem 2

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

$$= 7 \text{ cm} \times 7 \text{ cm}$$

$$= 49 \text{ cm}^2$$

The area of the square she cut out is 49 cm^2



Problem 3

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

The area of the sheet of paper is 81 cm^2

Problem 4

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 8 \text{ m} \times 8 \text{ m} \\ &= 64 \text{ m}^2\end{aligned}$$

The area of the glass he painted is 64 m^2



Problem 5

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 8 \text{ cm} \times 8 \text{ cm} \\ &= 64 \text{ cm}^2\end{aligned}$$

The area of the sheet of pastry is 64 cm^2

Problem 6

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