



How to Calculate the Area of a Square?

FREE Worksheet - 3

Time: 20 minutes

(Detailed solutions at the end)

1. Andrea cut out a 5-cm square from a piece of paper. Find the area of the square she cut out.

Answer: _____ cm^2

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

Answer: _____ m^2

3. Mariano painted a 8 m by 8 m piece of wood. What is the area of the wood he painted?

Answer: _____ m^2



4. The length of one side of a square sheet of paper is 7 cm. What is the area of the sheet of paper?

Answer: _____ cm^2

5. Emily mowed her garden. The garden has sides of 7 m and 7 m. What is the area of the garden?

Answer: _____ m^2

6. A square sheet of pastry is 3 cm long. Find the area of the sheet of pastry.

Answer: _____ cm^2



SOLUTIONS

Problem 1

$$\text{Area of square} = \text{Length of side} \times \text{Length of side}$$

$$= 5 \text{ cm} \times 5 \text{ cm}$$

$$= 25 \text{ cm}^2$$

The area of the square she cut out is 25 cm^2 .

Problem 2

$$\text{Area of square} = \text{Length of side} \times \text{Length of side}$$

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

$$= 25 \text{ m}^2$$



Problem 3

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

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

Problem 4

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 7 \text{ cm} \times 7 \text{ cm} \\ &= 49 \text{ cm}^2\end{aligned}$$

The area of the sheet of paper is 49 cm^2



Problem 5

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 7 \text{ m} \times 7 \text{ m} \\ &= 49 \text{ m}^2\end{aligned}$$

The area of the garden is 49 m^2

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 pastry is 9 cm^2 .